

**Large Truck Crash Causation Study Analysis**  
**DTRS57-04-D30043, TRACX**  
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**Appendix 2**  
**Large Truck Crash Causation Study Descriptive Statistics**

The Critical Event and the Critical Reason for the Critical Event are the dependent variables that this analysis uses to model truck crash determinants.

Frequency breakdown of ACRCriticalEvent\_m  
 No Selector  
 2284 total cases of which 206 are missing

Total Cases 2078  
 Number of Categories 42

Group	Count	Cumulative Count	%	Cumulative %	
1	13	13	0.626	0.626	
3	7	20	0.337	0.962	
4	5	25	0.241	1.203	
5	11	36	0.529	1.732	
6	110	146	5.294	7.026	
7	12	158	0.577	7.603	
8	23	181	1.107	8.710	
9	12	193	0.577	9.288	
10	120	313	5.775	15.063	
11	52	365	2.502	17.565	
12	37	402	1.781	19.346	
13	69	471	3.321	22.666	
14	1	472	0.048	22.714	
15	72	544	3.465	26.179	
16	22	566	1.059	27.238	
17	67	633	3.224	30.462	
18	7	640	0.337	30.799	
50	107	747	5.149	35.948	
51	72	819	3.465	39.413	
52	78	897	3.754	43.167	
53	228	1125	10.972	54.139	
54	23	1148	1.107	55.245	
55	2	1150	0.096	55.342	
56	2	1152	0.096	55.438	
60	78	1230	3.754	59.192	
61	86	1316	4.139	63.330	
62	104	1420	5.005	68.335	
63	2	1422	0.096	68.431	
65	4	1426	0.192	68.624	
66	62	1488	2.984	71.607	
67	22	1510	1.059	72.666	
70	2	1512	0.096	72.762	
71	4	1516	0.192	72.955	
72	4	1520	0.192	73.147	
80	24	1544	1.155	74.302	
81	1	1545	0.048	74.350	
83	6	1551	0.289	74.639	
87	1	1552	0.048	74.687	
90	14	1566	0.674	75.361	
98	36	1602	1.732	77.093	
100	13	1615	0.626	77.719	
125	463	2078	22.281	100.000	1

<sup>1</sup> ACRCriticalEvent

Frequency breakdown of cases selected according to 2284 total cases of which 1218 are missing

ACRCriticalEvent\_m  
GVETruck\_m

Total Cases 1066  
Number of Categories 42

Group	Count	Cumulative Count	%	Cumulative %
1	5	5	0.469	0.469
3	6	11	0.563	1.032
4	4	15	0.375	1.407
5	5	20	0.469	1.876
6	80	100	7.505	9.381
7	11	111	1.032	10.413
8	10	121	0.938	11.351
9	0	121	0.000	11.351
10	42	163	3.940	15.291
11	30	193	2.814	18.105
12	28	221	2.627	20.732
13	59	280	5.535	26.266
14	1	281	0.094	26.360
15	27	308	2.533	28.893
16	18	326	1.689	30.582
17	24	350	2.251	32.833
18	4	354	0.375	33.208
50	66	420	6.191	39.400
51	25	445	2.345	41.745
52	48	493	4.503	46.248
53	115	608	10.788	57.036
54	12	620	1.126	58.161
55	1	621	0.094	58.255
56	0	621	0.000	58.255
60	41	662	3.846	62.101
61	51	713	4.784	66.886
62	65	778	6.098	72.983
63	1	779	0.094	73.077
65	1	780	0.094	73.171
66	42	822	3.940	77.111
67	15	837	1.407	78.518
70	1	838	0.094	78.612
71	0	838	0.000	78.612
72	2	840	0.188	78.799
80	22	862	2.064	80.863
81	1	863	0.094	80.957
83	5	868	0.469	81.426
87	1	869	0.094	81.520
90	3	872	0.281	81.801
98	24	896	2.251	84.053
100	13	909	1.220	85.272
125	157	1066	14.728	100.000

Frequency breakdown of cases selected according to 2284 total cases of which 1270 are missing

ACRCriticalEvent\_m  
GVE CDL Truck\_m

Total Cases 1014  
Number of Categories 42

Group	Count	Cumulative Count	%	Cumulative %
1	6	6	0.592	0.592
3	5	11	0.493	1.085
4	5	16	0.493	1.578
5	5	21	0.493	2.071
6	80	101	7.890	9.961
7	12	113	1.183	11.144
8	8	121	0.789	11.933
9	0	121	0.000	11.933
10	36	157	3.550	15.483
11	25	182	2.465	17.949
12	26	208	2.564	20.513
13	55	263	5.424	25.937
14	1	264	0.099	26.036
15	25	289	2.465	28.501
16	14	303	1.381	29.882
17	23	326	2.268	32.150
18	3	329	0.296	32.446
50	61	390	6.016	38.462
51	29	419	2.860	41.321
52	44	463	4.339	45.661
53	109	572	10.750	56.410
54	11	583	1.085	57.495
55	1	584	0.099	57.594
56	0	584	0.000	57.594
60	40	624	3.945	61.538
61	49	673	4.832	66.371
62	63	736	6.213	72.584
63	1	737	0.099	72.682
65	1	738	0.099	72.781
66	39	777	3.846	76.627
67	13	790	1.282	77.909
70	1	791	0.099	78.008
71	1	792	0.099	78.107
72	2	794	0.197	78.304
80	23	817	2.268	80.572
81	1	818	0.099	80.671
83	5	823	0.493	81.164
87	1	824	0.099	81.262
90	4	828	0.394	81.657
98	21	849	2.071	83.728
100	13	862	1.282	85.010
125	152	1014	14.990	100.000

## **Critical Event Code & Meaning**

- 1 Blow out/flat tire, (specify blow out/flat, location/make)
- 2 Stalled engine
- 3 Disabling vehicle failure (e.g. wheel fell off) Specify:
- 4 Non-disabling vehicle problem (e.g., hood flew up) Specify:
- 5 Poor road conditions (Puddle, pothole, ice, etc.) Specify:
- 6 Traveling too fast for conditions
- 7 Jackknife Event
- 8 Other cause of control loss (specify)
- 9 Unknown cause of control loss
- 10 Over the lane line on left side of travel lane
- 11 Over the lane line on right side of travel lane
- 12 Off the edge of the road on the left side
- 13 Off the edge of the road on the right side
- 14 End departure
- 15 Turning left at intersection
- 16 Turning right at intersection
- 17 Crossing over (passing through) intersection
- 18 This vehicle decelerating
- 19 Unknown travel direction
- 50 Other vehicle stopped
- 51 Traveling in same direction with low steady speed
- 52 Traveling in same direction while decelerating
- 53 Traveling in same direction with higher speed
- 54 Traveling in opposite direction
- 55 In crossover
- 56 Backing
- 59 Unknown travel direction of other motor vehicle in lane
- 60 From adjacent lane (same direction) - over left lane line
- 61 From adjacent lane (same direction -over right lane line
- 62 From opposite direction-over left lane line
- 63 From opposite direction -over right lane line
- 64 From parking lane
- 65 From crossing street, turning into same direction
- 66 From crossing street, across path
- 67 From crossing street, turning into opposite direction
- 68 From crossing street, intended path not known
- 70 From driveway, turning into same direction
- 71 From driveway, across path
- 72 From driveway, turning into opposite direction
- 73 From driveway, intended path not known
- 74 From entrance to limited access highway
- 78 Encroachment by other vehicle-details unknown
- 80 Pedestrian in roadway
- 81 Pedestrian approaching roadway
- 82 Pedestrian-unknown location

- 83 Pedal cyclist or other non-motorist in roadway (specify):
- 84 Pedal cyclist or other non-motorist approaching roadway (specify)
- 85 Pedal cyclist or other non-motorist-unknown location (specify)
- 87 Animal in roadway
- 88 Animal approaching roadway
- 89 Animal - unknown location
- 90 Object in roadway
- 91 Object approaching roadway
- 92 Object - unknown location
- 98 Other (specify)
- 99 Unknown
- 100 Cargo Shift
- 125 Not involved first harmful event

## Vehicles Assigned the Critical Event<sup>2</sup>

Frequency breakdown of AssignedCriticalEvent  
No Selector

Total Cases 2284  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	463	463	20.271	20.271
1	1821	2284	79.729	100.000

Frequency breakdown of cases selected according to  
2284 total cases of which 1218 are missing

AssignedCriticalEvent  
GVETruck\_m

Total Cases 1066  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	157	157	14.728	14.728
1	909	1066	85.272	100.000

Frequency breakdown of cases selected according to  
2284 total cases of which 1270 are missing

AssignedCriticalEvent  
GVE CDL Truck\_m

Total Cases 1014  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	152	152	14.990	14.990
1	862	1014	85.010	100.000

<sup>2</sup> AssignedCriticalEvent. If 'ACRCriticalEvent\_m' = 125 then 0; else 1

## Critical Event Category

Frequency breakdown of  
No Selector  
2284 total cases of which 206 are missing

CriticalEventCat\_m

Total Cases 2078  
Number of Categories 8  
Chi-square 1220.03

Group	Count	Cumulative Count	%	Cumulative %
1	206	206	9.913	9.913
2	447	653	21.511	31.424
3	512	1165	24.639	56.064
4	368	1533	17.709	73.773
5	31	1564	1.492	75.265
6	15	1579	0.722	75.987
7	36	1615	1.732	77.719
9	463	2078	22.281	100.000

Frequency breakdown of  
cases selected according to  
2284 total cases of which 1218 are missing

CriticalEventCat\_m  
GVETruck\_m

Total Cases 1066  
Number of Categories 8  
Chi-square 566.420

Group	Count	Cumulative Count	%	Cumulative %
1	134	134	12.570	12.570
2	233	367	21.857	34.428
3	267	634	25.047	59.475
4	219	853	20.544	80.019
5	28	881	2.627	82.645
6	4	885	0.375	83.021
7	24	909	2.251	85.272
9	157	1066	14.728	100.000

<sup>3</sup> ACRCriticalEvent



Frequency breakdown of cases selected according to 2284 total cases of which 1270 are missing

CriticalEventCat\_m  
GVE CDL Truck\_m

Total Cases 1014  
Number of Categories 8  
Chi-square 522.536

Group	Count	Cumulative Count	%	Cumulative %
1	134	134	13.215	13.215
2	208	342	20.513	33.728
3	255	597	25.148	58.876
4	210	807	20.710	79.586
5	29	836	2.860	82.446
6	5	841	0.493	82.939
7	21	862	2.071	85.010
9	152	1014	14.990	100.000

**Critical Event Category Code & Meaning**

- 1 This vehicle loss of control
- 2 This vehicle traveling
- 3 Other motor vehicle in lane
- 4 Other motor vehicle encroaching into lane
- 5 Pedestrian, pedacyclist, or other nonmotorist
- 6 Object or animal
- 7 Other (specify)
- 8 Unknown
- 9 This vehicle not involved in first harmful event

## Critical Reason For The Critical Event<sup>4</sup>

Frequency breakdown of

ACRReason\_m

No Selector

2284 total cases of which 206 are missing

Group	Count	Cumulative Count	%	Cumulative %
0	1129	1129	54.331	54.331
100	52	1181	2.502	56.833
101	30	1211	1.444	58.277
108	2	1213	0.096	58.373
109	6	1219	0.289	58.662
110	55	1274	2.647	61.309
111	38	1312	1.829	63.138
112	24	1336	1.155	64.293
113	125	1461	6.015	70.308
118	3	1464	0.144	70.452
119	44	1508	2.117	72.570
120	65	1573	3.128	75.698
121	2	1575	0.096	75.794
122	32	1607	1.540	77.334
123	30	1637	1.444	78.778
124	22	1659	1.059	79.836
125	41	1700	1.973	81.809
127	6	1706	0.289	82.098
128	22	1728	1.059	83.157
138	17	1745	0.818	83.975
139	2	1747	0.096	84.071
140	58	1805	2.791	86.862
141	1	1806	0.048	86.910
142	38	1844	1.829	88.739
143	34	1878	1.636	90.375
149	2	1880	0.096	90.472
199	92	1972	4.427	94.899
200	16	1988	0.770	95.669
201	8	1996	0.385	96.054
202	1	1997	0.048	96.102
203	16	2013	0.770	96.872
204	1	2014	0.048	96.920
205	2	2016	0.096	97.016
208	1	2017	0.048	97.064
298	2	2019	0.096	97.161
299	1	2020	0.048	97.209
500	1	2021	0.048	97.257
504	1	2022	0.048	97.305
505	1	2023	0.048	97.353
507	1	2024	0.048	97.401
509	12	2036	0.577	97.979
522	1	2037	0.048	98.027
523	2	2039	0.096	98.123
530	5	2044	0.241	98.364
540	17	2061	0.818	99.182
541	2	2063	0.096	99.278
999	15	2078	0.722	100.000

<sup>4</sup> ACRCriticalReason

Frequency breakdown of cases selected according to 2284 total cases of which 1218 are missing

ACRReason\_m  
GVETruck\_m

Total Cases 1066  
Number of Categories 47

Group	Count	Cumulative Count	%	Cumulative %
0	528	528	49.531	49.531
100	29	557	2.720	52.251
101	20	577	1.876	54.128
108	2	579	0.188	54.315
109	2	581	0.188	54.503
110	33	614	3.096	57.598
111	16	630	1.501	59.099
112	16	646	1.501	60.600
113	77	723	7.223	67.824
118	0	723	0.000	67.824
119	20	743	1.876	69.700
120	42	785	3.940	73.640
121	0	785	0.000	73.640
122	16	801	1.501	75.141
123	25	826	2.345	77.486
124	11	837	1.032	78.518
125	22	859	2.064	80.582
127	5	864	0.469	81.051
128	7	871	0.657	81.707
138	16	887	1.501	83.208
139	1	888	0.094	83.302
140	53	941	4.972	88.274
141	0	941	0.000	88.274
142	16	957	1.501	89.775
143	19	976	1.782	91.557
149	0	976	0.000	91.557
199	21	997	1.970	93.527
200	9	1006	0.844	94.371
201	5	1011	0.469	94.841
202	1	1012	0.094	94.934
203	16	1028	1.501	96.435
204	1	1029	0.094	96.529
205	1	1030	0.094	96.623
208	1	1031	0.094	96.717
298	1	1032	0.094	96.811
299	0	1032	0.000	96.811
500	1	1033	0.094	96.904
504	0	1033	0.000	96.904
505	1	1034	0.094	96.998
507	1	1035	0.094	97.092
509	6	1041	0.563	97.655
522	1	1042	0.094	97.749
523	1	1043	0.094	97.842
530	2	1045	0.188	98.030
540	16	1061	1.501	99.531
541	1	1062	0.094	99.625
999	4	1066	0.375	100.000

Frequency breakdown of  
cases selected according to  
2284 total cases of which 1270 are missing

ACRReason\_m  
GVE CDL Truck\_m

Total Cases 1014  
Number of Categories 47

Group	Count	Cumulative Count	%	Cumulative %
0	504	504	49.704	49.704
100	28	532	2.761	52.465
101	19	551	1.874	54.339
108	2	553	0.197	54.536
109	2	555	0.197	54.734
110	30	585	2.959	57.692
111	15	600	1.479	59.172
112	15	615	1.479	60.651
113	70	685	6.903	67.554
118	0	685	0.000	67.554
119	19	704	1.874	69.428
120	43	747	4.241	73.669
121	0	747	0.000	73.669
122	16	763	1.578	75.247
123	24	787	2.367	77.613
124	10	797	0.986	78.600
125	23	820	2.268	80.868
127	5	825	0.493	81.361
128	6	831	0.592	81.953
138	15	846	1.479	83.432
139	1	847	0.099	83.531
140	52	899	5.128	88.659
141	1	900	0.099	88.757
142	16	916	1.578	90.335
143	17	933	1.677	92.012
149	0	933	0.000	92.012
199	20	953	1.972	93.984
200	8	961	0.789	94.773
201	4	965	0.394	95.168
202	0	965	0.000	95.168
203	14	979	1.381	96.548
204	0	979	0.000	96.548
205	2	981	0.197	96.746
208	1	982	0.099	96.844
298	1	983	0.099	96.943
299	0	983	0.000	96.943
500	1	984	0.099	97.041
504	0	984	0.000	97.041
505	0	984	0.000	97.041
507	1	985	0.099	97.140
509	4	989	0.394	97.535
522	1	990	0.099	97.633
523	1	991	0.099	97.732
530	2	993	0.197	97.929
540	17	1010	1.677	99.606
541	0	1010	0.000	99.606
999	4	1014	0.394	100.000

### **Critical Reason for the Critical Event Code & Meaning**

- 0 Critical event not coded to this vehicle
- 100 Sleep, that is, actually asleep
- 101 Heart attack or other physical impairment of the ability to act
- 108 Other critical non-performance (specify)
- 109 Unknown critical non-performance
- 110 Inattention (i.e., daydreaming)
- 111 Internal distraction
- 112 External distraction
- 113 Inadequate surveillance (e.g., failed to look, looked but did not see)
- 118 Other recognition error (specify)
- 119 Unknown recognition error
- 120 Too fast for conditions to be able to respond to unexpected actions of other road users (specify)
- 121 Too slow for traffic stream
- 122 Misjudgment of gap or other's speed
- 123 Following too closely to respond to unexpected actions
- 124 False assumption of other road user's actions
- 125 Illegal maneuver
- 126 Failure to turn on headlamps
- 127 Inadequate evasive action, e.g. braking only, not braking and steering
- 128 Aggressive driving behavior
- 138 Other decision error (specify)
- 139 Unknown decision error
- 140 Too fast for curve/turn
- 141 Panic/Freezing
- 142 Overcompensation
- 143 Poor directional control e.g., failing to control vehicle with skill ordinarily expected
- 148 Other performance error (specify)
- 149 Unknown performance error
- 199 Type of driver error unknown
- 200 Tires/wheels failed
- 201 Brakes failed
- 202 Steering failed
- 203 Cargo shifted
- 204 Trailer attachment failed
- 205 Suspension failed
- 206 Lights failed
- 207 Vehicle related vision obstructions
- 208 Body, doors, hood failed
- 209 Jackknifed
- 298 Other vehicle failure (specify)
- 299 Unknown vehicle failures
- 500 Signs/signals missing
- 501 Signs/signals erroneous/defective

502 Signs/signals inadequate  
503 View obstructions by roadway design/furniture  
504 View obstructed by other vehicles  
505 Road design - roadway geometry (e.g., ramp curvature)  
506 Road design - sight distance  
507 Road design - other  
508 Maintenance problems (potholes, deteriorated road edges, etc.)  
509 Slick roads (low friction road surface due to ice, loose debris, any other cause)  
518 Other highway-related condition (specify)  
521 Rain, snow  
522 Fog  
523 Wind gust  
528 Other weather-related condition (specify)  
530 Glare  
531 Blowing debris  
538 Other sudden change in ambience (specify)  
540 Degraded braking capability  
541 Transmission/engine failure  
999 Unknown reason for critical event

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## Vehicles Assigned the Critical Reason<sup>5</sup>

Frequency breakdown of AssignedCriticalReason  
No Selector

Total Cases 2284  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1129	1129	49.431	49.431
1	1155	2284	50.569	100.000

Frequency breakdown of cases selected according to  
2284 total cases of which 1218 are missing

AssignedCriticalReason  
GVETruck\_m

Total Cases 1066  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	528	528	49.531	49.531
1	538	1066	50.469	100.000

Frequency breakdown of cases selected according to  
2284 total cases of which 1270 are missing

AssignedCriticalReason  
GVE CDL Truck\_m

Total Cases 1014  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	504	504	49.704	49.704
1	510	1014	50.296	100.000

<sup>5</sup> ACRReason. If 'ACRReason\_m' = 0 then 0; else 1

## Critical Reason Categories<sup>6</sup>

Frequency breakdown of  
No Selector

ReasonCat\_m

2284 total cases of which 206 are missing

Total Cases 2078  
Number of Categories 9

Group	Count	Cumulative Count	%	Cumulative %
0	1129	1129	54.331	54.331
1	90	1219	4.331	58.662
2	289	1508	13.908	72.570
3	297	1805	14.293	86.862
4	167	1972	8.037	94.899
5	67	2039	3.224	98.123
6	16	2055	0.770	98.893
7	8	2063	0.385	99.278
99	15	2078	0.722	100.000

Frequency breakdown of  
cases selected according to

ReasonCat\_m

GVETruck\_m

2284 total cases of which 1218 are missing

Total Cases 1066  
Number of Categories 9

Group	Count	Cumulative Count	%	Cumulative %
0	528	528	49.531	49.531
1	53	581	4.972	54.503
2	162	743	15.197	69.700
3	198	941	18.574	88.274
4	56	997	5.253	93.527
5	52	1049	4.878	98.405
6	9	1058	0.844	99.250
7	4	1062	0.375	99.625
99	4	1066	0.375	100.000

<sup>6</sup> ReasonCat



Frequency breakdown of cases selected according to 2284 total cases of which 1270 are missing

ReasonCat\_m  
GVE CDL Truck\_m

Total Cases 1014  
Number of Categories 9

Group	Count	Cumulative Count	%	Cumulative %
0	504	504	49.704	49.704
1	51	555	5.030	54.734
2	149	704	14.694	69.428
3	195	899	19.231	88.659
4	54	953	5.325	93.984
5	47	1000	4.635	98.619
6	6	1006	0.592	99.211
7	4	1010	0.394	99.606
99	4	1014	0.394	100.000

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**Critical Reason Category Code & Meaning**

- 0 No Driver Error
- 1 Physical Driver Factor
- 2 Driver Recognition Factor
- 3 Driver Decision Factor
- 4 Driver Performance Factor
- 5 Vehicle Related Factor
- 6 Environment - Highway
- 7 Environment - Weather
- 99 Unknown Reason

**Additional possible dependent variables**

**From IntvwDrDriver Data Set**

Summary of  
No Selector  
2284 total cases of which 1540 are missing

CMVCitations\_m

Percentile 25

Total Cases	2284
Count	744
Mean	0.837366
Median	0
StdDev	1.42621
Min	0
Max	20
Lower ith %tile	0
Upper ith %tile	1

7

Frequency breakdown of  
No Selector  
2284 total cases of which 658 are missing

MovingCitations\_m

Total Cases	1626
Number of Categories	10

Group	Count	Cumulative Count	%	Cumulative %
0	594	594	36.531	36.531
1	373	967	22.940	59.471
2	117	1084	7.196	66.667
3	37	1121	2.276	68.942
4	13	1134	0.800	69.742
5	6	1140	0.369	70.111
6	3	1143	0.185	70.295
7	1	1144	0.062	70.357
10	2	1146	0.123	70.480
99*	480	1626	29.520	100.000

8

<sup>7</sup> CMVCitations

<sup>8</sup> MovingCitations

Summary of  
No Selector  
2284 total cases of which 1138 are missing

MovingCitations\_m

Percentile 25

Total Cases	2284
Count	1146
Mean	0.737347
Median	0
StdDev	1.05149
Min	0
Max	10
Lower ith %tile	0
Upper ith %tile	1

---

## Independent Variables

These variables may be predictors of truck crashes

### Driver Assessment Relation

Frequency breakdown of  
No Selector

WorkSchedule\_m

2284 total cases of which 206 are missing

Total Cases 2078  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	751	751	36.141	36.141
1	1327	2078	63.859	100.000

---

Frequency breakdown of  
cases selected according to

WorkSchedule\_m  
GVETruck\_m

2284 total cases of which 1218 are missing

Total Cases 1066  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	189	189	17.730	17.730
1	877	1066	82.270	100.000

---

Frequency breakdown of  
cases selected according to

WorkSchedule\_m  
GVE CDL Truck\_m

2284 total cases of which 1270 are missing

Total Cases 1014  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	165	165	16.272	16.272
1	849	1014	83.728	100.000

---

<sup>9</sup> ADRWorkSchedule

## Fatigue<sup>10</sup>

Frequency breakdown of  
No Selector

Fatigue\_m

2284 total cases of which 821 are missing

Total Cases 1463  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1265	1265	86.466	86.466
1	198	1463	13.534	100.000

---

Frequency breakdown of  
cases selected according to

Fatigue\_m

GVETruck\_m

2284 total cases of which 1401 are missing

Total Cases 883  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	757	757	85.730	85.730
1	126	883	14.270	100.000

---

Frequency breakdown of  
cases selected according to

Fatigue\_m

GVE CDL Truck\_m

2284 total cases of which 1433 are missing

Total Cases 851  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	730	730	85.781	85.781
1	121	851	14.219	100.000

---

---

<sup>10</sup> Fatigue

## Upset<sup>11</sup>

Frequency breakdown of  
No Selector

UpsetO\_m

2284 total cases of which 817 are missing

Total Cases 1467  
Number of Categories 7

---

Group	Count	Cumulative Count	%	Cumulative %
0	1415	1415	96.455	96.455
1	7	1422	0.477	96.933
2	4	1426	0.273	97.205
3	11	1437	0.750	97.955
4	6	1443	0.409	98.364
5	9	1452	0.613	98.978
8	15	1467	1.022	100.000

---

Frequency breakdown of  
No Selector

Upset\_m

2284 total cases of which 817 are missing

Total Cases 1467  
Number of Categories 2

---

Group	Count	Cumulative Count	%	Cumulative %
0	1415	1415	96.455	96.455
1	52	1467	3.545	100.000

---

Frequency breakdown of  
cases selected according to

Upset\_m

GVETruck\_m

2284 total cases of which 1396 are missing

Total Cases 888  
Number of Categories 2

---

Group	Count	Cumulative Count	%	Cumulative %
0	865	865	97.410	97.410
1	23	888	2.590	100.000

---

---

<sup>11</sup> Upset

Frequency breakdown of cases selected according to 2284 total cases of which 1396 are missing

UpsetO\_m  
GVETruck\_m

Total Cases 888  
Number of Categories 7

Group	Count	Cumulative Count	%	Cumulative %
0	865	865	97.410	97.410
1	2	867	0.225	97.635
2	1	868	0.113	97.748
3	4	872	0.450	98.198
4	2	874	0.225	98.423
5	5	879	0.563	98.986
8	9	888	1.014	100.000

**Hurrying**

Frequency breakdown of No Selector 2284 total cases of which 828 are missing

HurryingO\_m

Total Cases 1456  
Number of Categories 7

Group	Count	Cumulative Count	%	Cumulative %
0	1393	1393	95.673	95.673
1	19	1412	1.305	96.978
2	4	1416	0.275	97.253
3	5	1421	0.343	97.596
4	11	1432	0.755	98.352
5	3	1435	0.206	98.558
8	21	1456	1.442	100.000

12

<sup>12</sup> HurryingO is the full distribution of attributions.

Frequency breakdown of Hurrying\_m  
 No Selector  
 2284 total cases of which 828 are missing

	<b>Total Cases</b>	1456			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	1393	1393	95.673	95.673	
1	63	1456	4.327	100.000	

---

Frequency breakdown of HurryingW  
 No Selector  
 2284 total cases of which 828 are missing

	<b>Total Cases</b>	1456			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	1437	1437	98.695	98.695	
1	19	1456	1.305	100.000	<sup>13</sup>

---

Frequency breakdown of WorkPressureCountO\_m  
 No Selector  
 2284 total cases of which 789 are missing

	<b>Total Cases</b>	1495			
	<b>Number of Categories</b>	3			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	1388	1388	92.843	92.843	
1	94	1482	6.288	99.130	
2	13	1495	0.870	100.000	<sup>14</sup>

---

<sup>13</sup> HurryingW, created by Sound Science, is an indicator coded “1” if “Hurrying” is work-related and “0” if it is not.

<sup>14</sup> WorkPressureCountD (continuous variable). This variable exists in the LTCCS. It is computed from the following variables in the DriverAssessment data set: NewPosition, ShippingDeadlines, EXPWorkSchedule, Quotas, ExtraLoads, Demoted, SelfInducedIllegal, SelfInducedOther, OtherPressure.



Frequency breakdown of  
 No Selector  
 2284 total cases of which 871 are missing

WorkPressureCountD\_m

Total Cases 1413  
 Number of Categories 15

Group	Count	Cumulative Count	%	Cumulative %
0	1237	1237	87.544	87.544
1	79	1316	5.591	93.135
2	19	1335	1.345	94.480
3	10	1345	0.708	95.188
4	11	1356	0.778	95.966
5	9	1365	0.637	96.603
6	3	1368	0.212	96.815
7	1	1369	0.071	96.886
8	28	1397	1.982	98.868
9	7	1404	0.495	99.363
10	3	1407	0.212	99.575
11	1	1408	0.071	99.646
12	2	1410	0.142	99.788
13	2	1412	0.142	99.929
17	1	1413	0.071	100.000

15

<sup>15</sup> WorkPressureCountD (continuous derived variable). The sum of 'NewPosition', 'ShippingDeadline', 'EXPWorkSchedule', 'Quotas', 'ExtraLoads', 'Demoted', 'SelfInducedIllegal', 'SelfInducedOther', 'OtherPressure', 'Upset', 'Hurrying', 'Emotional'.

Frequency breakdown of cases selected according to 2284 total cases of which 1414 are missing

WorkPressureCountD\_m  
GVETruck\_m

Total Cases 870  
Number of Categories 15

Group	Count	Cumulative Count	%	Cumulative %
0	757	757	87.011	87.011
1	62	819	7.126	94.138
2	14	833	1.609	95.747
3	4	837	0.460	96.207
4	3	840	0.345	96.552
5	4	844	0.460	97.011
6	1	845	0.115	97.126
7	1	846	0.115	97.241
8	16	862	1.839	99.080
9	4	866	0.460	99.540
10	1	867	0.115	99.655
11	1	868	0.115	99.770
12	1	869	0.115	99.885
13	0	869	0.000	99.885
17	1	870	0.115	100.000

---

Frequency breakdown of cases selected according to 2284 total cases of which 1444 are missing

WorkPressureCountD\_m  
GVE CDL Truck\_m

Total Cases 840  
Number of Categories 15

Group	Count	Cumulative Count	%	Cumulative %
0	728	728	86.667	86.667
1	61	789	7.262	93.929
2	13	802	1.548	95.476
3	4	806	0.476	95.952
4	5	811	0.595	96.548
5	3	814	0.357	96.905
6	1	815	0.119	97.024
7	1	816	0.119	97.143
8	16	832	1.905	99.048
9	4	836	0.476	99.524
10	1	837	0.119	99.643
11	1	838	0.119	99.762
12	1	839	0.119	99.881
13	0	839	0.000	99.881
17	1	840	0.119	100.000

Frequency breakdown of No Selector 2284 total cases of which 828 are missing

WorkPressureTotalD\_m

Total Cases 1456  
Number of Categories 6

Group	Count	Cumulative Count	%	Cumulative %
0	1315	1315	90.316	90.316
1	99	1414	6.799	97.115
2	25	1439	1.717	98.832
3	13	1452	0.893	99.725
4	2	1454	0.137	99.863
6	2	1456	0.137	100.000

16

<sup>16</sup> WorkPressureTotalD (continuous derived variable). This derived variable, created by Sound Science, represents occupational concepts related to the work process. It is the

Frequency breakdown of cases selected according to 2284 total cases of which 1400 are missing

WorkPressureTotalID\_m  
GVETruck\_m

Total Cases 884  
Number of Categories 7

Group	Count	Cumulative Count	%	Cumulative %
0	767	767	86.765	86.765
1	76	843	8.597	95.362
2	18	861	2.036	97.398
3	16	877	1.810	99.208
4	5	882	0.566	99.774
6	1	883	0.113	99.887
7	1	884	0.113	100.000

### Components of Work Pressure Total<sup>17</sup>

Frequency breakdown of No Selector 2284 total cases of which 206 are missing

NewPosition\_m

Total Cases 2078  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	2060	2060	99.134	99.134
1	18	2078	0.866	100.000

sum of 'NewPosition', 'ShippingDeadline', 'EXPWorkSchedule', 'Quotas', 'ExtraLoads', 'Demoted', 'SelfInducedIllegal', 'SelfInducedOther', 'OtherPressure', 'LoadPressureIndicator' (under pressure to accept scheduled and unscheduled loads, loads proffered on short notice or when over legal driving hours), HurryingW, 'ShortNoticeTrips', 'FillInTrips', 'UnpaidLoading', and 'OtherRelations'. This variable is necessary because the data reported in the LTCCS is very limited on these concepts and many of the results do not meet the “smell test” for accuracy.

<sup>17</sup> For “HurryingW” see above.

<sup>18</sup> NewPosition

Frequency breakdown of ShippingDeadline\_m  
 No Selector  
 2284 total cases of which 206 are missing

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	2075	2075	99.856	99.856
1	3	2078	0.144	100.000

19

Frequency breakdown of EXPWorkSchedule\_m  
 No Selector  
 2284 total cases of which 206 are missing

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	2054	2054	98.845	98.845
1	24	2078	1.155	100.000

20

Frequency breakdown of Quotas\_m  
 No Selector  
 2284 total cases of which 206 are missing

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	2077	2077	99.952	99.952
1	1	2078	0.048	100.000

21

<sup>19</sup> ShippingDeadline

<sup>20</sup> EXPWorkSchedule

<sup>21</sup> Quotas

Frequency breakdown of **Demoted\_m**  
 No Selector  
 2284 total cases of which 206 are missing

	<b>Total Cases</b>	2078			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	2077	2077	99.952	99.952	
1	1	2078	0.048	100.000	<sup>22</sup>

Frequency breakdown of **ExtraLoads\_m**  
 No Selector  
 2284 total cases of which 206 are missing

	<b>Total Cases</b>	2078			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	2071	2071	99.663	99.663	
1	7	2078	0.337	100.000	<sup>23</sup>

Frequency breakdown of **SelfInducedIllegal\_m**  
 No Selector  
 2284 total cases of which 206 are missing

	<b>Total Cases</b>	2078			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	2066	2066	99.423	99.423	
1	12	2078	0.577	100.000	<sup>24</sup>

---

<sup>22</sup> Demoted  
<sup>23</sup> ExtraLoads  
<sup>24</sup> SelfInducedIllegal

Frequency breakdown of **SelfInducedOther**  
 No Selector  
 2284 total cases of which 206 are missing

	<b>Total Cases</b>	2078			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	2042	2042	98.268	98.268	
1	36	2078	1.732	100.000	25

---

Frequency breakdown of **OtherPressure\_m**  
 No Selector  
 2284 total cases of which 206 are missing

	<b>Total Cases</b>	2078			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	2060	2060	99.134	99.134	
1	18	2078	0.866	100.000	26

---

Frequency breakdown of **LoadPressure\_m**  
 No Selector  
 2284 total cases of which 1328 are missing

	<b>Total Cases</b>	956			
	<b>Number of Categories</b>	6			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	919	919	96.130	96.130	
1	1	920	0.105	96.234	
2	2	922	0.209	96.444	
3	2	924	0.209	96.653	
4	11	935	1.151	97.803	
8	21	956	2.197	100.000	

---

<sup>25</sup> SelfInducedOther

<sup>26</sup> OtherPressure

Frequency breakdown of LoadPressureIndicator\_m  
 No Selector  
 2284 total cases of which 206 are missing

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	2041	2041	98.219	98.219
1	37	2078	1.781	100.000

27

Frequency breakdown of WorkFatigueCount  
 No Selector  
 2284 total cases of which 1324 are missing

Total Cases 960  
 Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
0	928	928	96.667	96.667
1	30	958	3.125	99.792
2	2	960	0.208	100.000

28

Frequency breakdown of ScheduledExtensions\_m  
 No Selector  
 2284 total cases of which 206 are missing

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	2067	2067	99.471	99.471
1	11	2078	0.529	100.000

29

<sup>27</sup> LoadPressureIndicator (derived)

<sup>28</sup> WorkFatigueCount

<sup>29</sup> ScheduledExtensions



Frequency breakdown of **RotatingShift\_m**  
 No Selector  
 2284 total cases of which 206 are missing

	<b>Total Cases</b>	2078			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	2067	2067	99.471	99.471	
1	11	2078	0.529	100.000	30

---

Frequency breakdown of **UnscheduledExtensions\_m**  
 No Selector  
 2284 total cases of which 206 are missing

	<b>Total Cases</b>	2078			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	2071	2071	99.663	99.663	
1	7	2078	0.337	100.000	31

---

Frequency breakdown of **ShortNoticeTrips\_m**  
 No Selector  
 2284 total cases of which 206 are missing

	<b>Total Cases</b>	2078			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	2062	2062	99.230	99.230	
1	16	2078	0.770	100.000	32

---



---

<sup>30</sup> RotatingShift

<sup>31</sup> UnscheduledExtensions

<sup>32</sup> FillInTrips

Frequency breakdown of FillInTrips\_m  
 No Selector  
 2284 total cases of which 206 are missing

	Total Cases	2078			
	Number of Categories	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	2072	2072	99.711	99.711	
1	6	2078	0.289	100.000	33

Frequency breakdown of UnpaidLoading\_m  
 No Selector  
 2284 total cases of which 206 are missing

	Total Cases	2078			
	Number of Categories	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	2069	2069	99.567	99.567	
1	9	2078	0.433	100.000	34

Frequency breakdown of OtherRelations\_m  
 No Selector  
 2284 total cases of which 206 are missing

	Total Cases	2078			
	Number of Categories	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	2057	2057	98.989	98.989	
1	21	2078	1.011	100.000	35

---

<sup>33</sup> FillInTrips

<sup>34</sup> UnpaidLoading

<sup>35</sup> OtherRelations

### Driver Decision Aggression

Frequency breakdown of  
No Selector

AggressionCount\_m

2284 total cases of which 344 are missing

Total Cases 1940  
Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
0	1808	1808	93.196	93.196
1	107	1915	5.515	98.711
2	25	1940	1.289	100.000

36

Frequency breakdown of  
cases selected according to

AggressionCount\_m

GVETruck\_m

2284 total cases of which 1262 are missing

Total Cases 1022  
Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
0	963	963	94.227	94.227
1	55	1018	5.382	99.609
2	4	1022	0.391	100.000

Frequency breakdown of  
cases selected according to

AggressionCount\_m

GVE CDL Truck\_m

2284 total cases of which 1306 are missing

Total Cases 978  
Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
0	919	919	93.967	93.967
1	55	974	5.624	99.591
2	4	978	0.409	100.000

<sup>36</sup> Existing in the LTCCS, AggressionCount (continuous variable) is computed from the following variables in the DriverDecisionAggression data set: SpeedingBehavior, TailgatingBehavior, Weaving, LightViolation, RapidAcceleration, Honking, Flashing, ObsceneGestures, BlockingOthers, OtherAggression.

## DriverSleep Relation

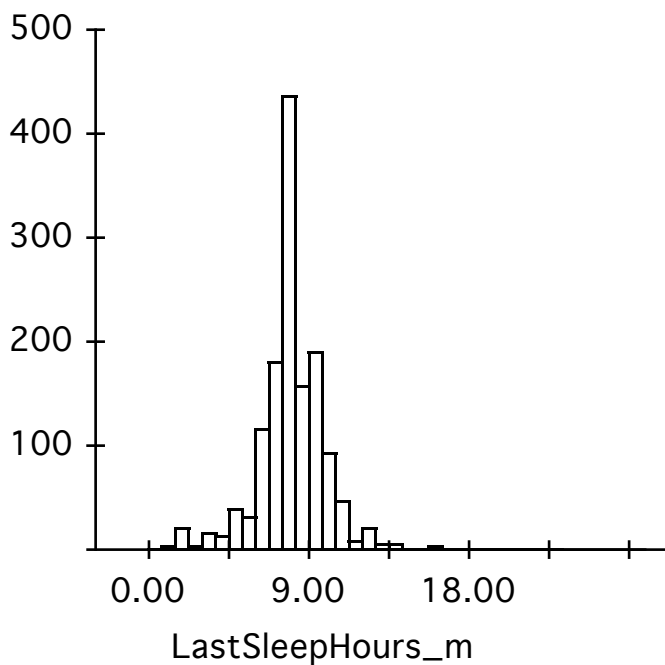
Summary of  
No Selector  
2284 total cases of which 873 are missing

LastSleepHours\_m

Percentile 25

Total Cases	2284
Count	1411
Mean	7.90595
Median	8
StdDev	1.94216
Min	0.330000
Max	22.5000
Lower ith %tile	7
Upper ith %tile	9

37



<sup>37</sup> LastSleepHours (continuous non-ordinal derived variable)

Summary of  
cases selected according to  
2284 total cases of which 1425 are missing

LastSleepHours\_m  
GVETruck\_m

Percentile 25

Total Cases	2284
Count	859
Mean	7.79780
Median	8
StdDev	2.13790
Min	0.330000
Max	22.5000
Lower 5th %tile	7
Upper 5th %tile	9

---

Summary of  
cases selected according to  
2284 total cases of which 1455 are missing

LastSleepHoursD\_m  
GVE CDL Truck\_m

Percentile 25

Total Cases	2284
Count	829
Mean	7.81461
Median	8
StdDev	2.15155
Min	0.330000
Max	22.5000
Lower 5th %tile	7
Upper 5th %tile	9

---

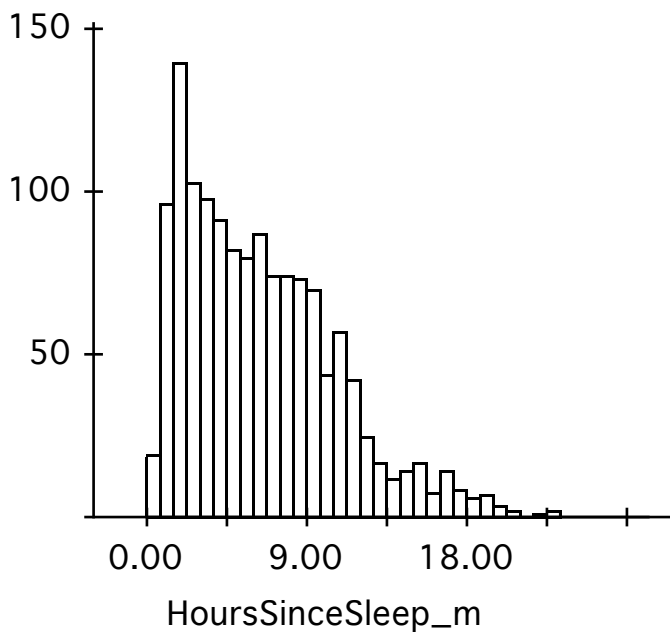
Summary of  
No Selector  
2284 total cases of which 916 are missing

HoursSinceSleep\_m

Percentile 25

Total Cases	2284
Count	1368
Mean	6.39546
Median	5.75000
StdDev	4.29442
Min	0.130000
Max	22.5000
Lower ith %tile	2.80000
Upper ith %tile	9

38



<sup>38</sup> HoursSinceSleep (continuous non-ordinal derived variable)

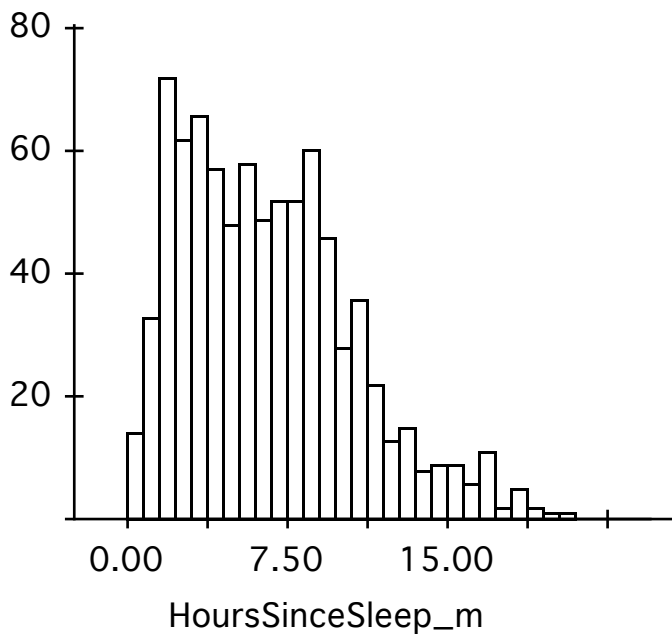
Summary of  
cases selected according to  
2284 total cases of which 1447 are missing

HoursSinceSleep\_m  
GVETruck\_m

Percentile 25

Total Cases	2284
Count	837
Mean	6.58444
Median	6
StdDev	4.03167
Min	0.130000
Max	20.5000
Lower ith %tile	3.42750
Upper ith %tile	9

---



Summary of  
cases selected according to  
2284 total cases of which 1476 are missing

HoursSinceSleep\_m  
GVE CDL Truck\_m

Percentile 25

Total Cases	2284
Count	808
Mean	6.64343
Median	6
StdDev	4.09853
Min	0.130000
Max	20.5000
Lower ith %tile	3.44000
Upper ith %tile	9.17000

---



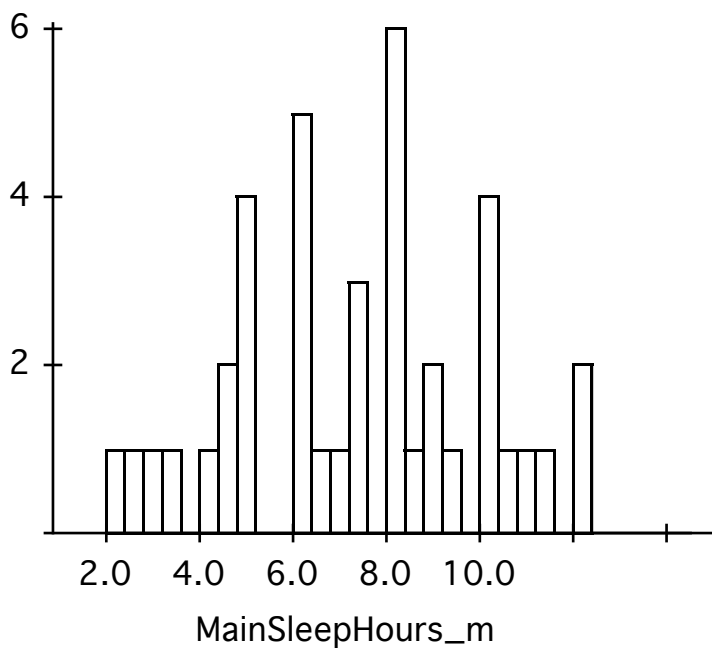
Summary of  
 No Selector  
 2284 total cases of which 2244 are missing

MainSleepHours\_m

Percentile 25

Total Cases	2284
Count	40
Mean	7.28125
Median	7.50000
StdDev	2.62763
Min	2
Max	12
Lower ith %tile	5
Upper ith %tile	9.12500

39



<sup>39</sup> MainSleepHours (continuous non-ordinal derived variable)

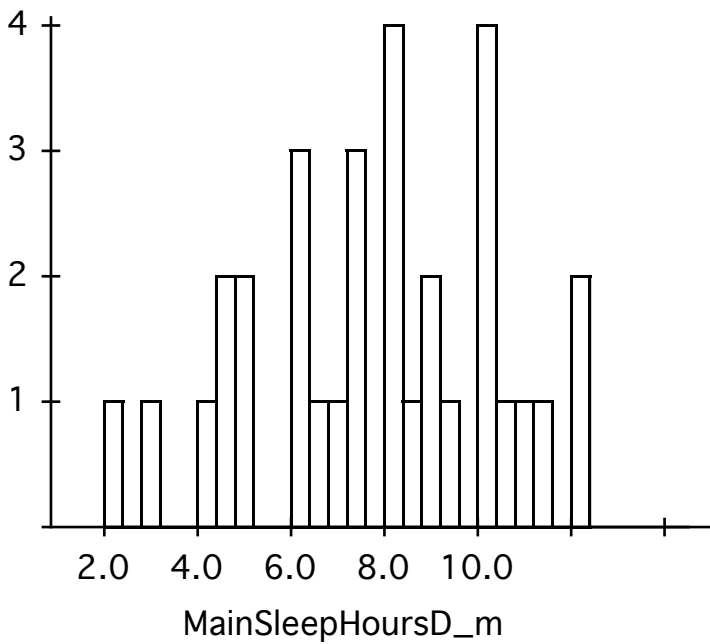
Summary of cases selected according to 2284 total cases of which 2252 are missing

MainSleepHours\_m  
GVETruck\_m

Percentile 25

Total Cases	2284
Count	32
Mean	7.72656
Median	8
StdDev	2.60920
Min	2
Max	12
Lower ith %tile	6
Upper ith %tile	10

---



Summary of  
cases selected according to  
2284 total cases of which 2252 are missing

MainSleepHoursD\_m  
GVE CDL Truck\_m

Percentile 25

Total Cases	2284
Count	32
Mean	7.72656
Median	8
StdDev	2.60920
Min	2
Max	12
Lower ith %tile	6
Upper ith %tile	10

---

Summary of  
No Selector  
2284 total cases of which 990 are missing

LastWeekHours\_m

Percentile 25

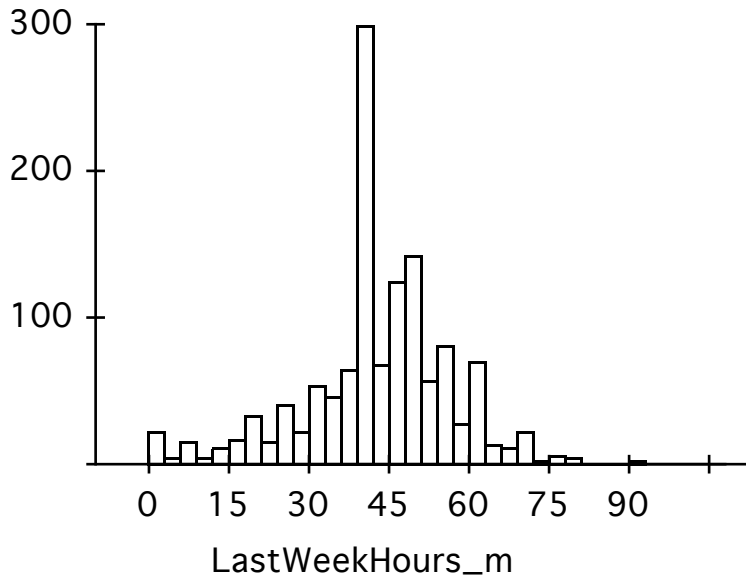
Total Cases	2284
Count	1294
Mean	42.2432
Median	41.2500
StdDev	14.2004
Min	0
Max	91
Lower ith %tile	37
Upper ith %tile	50

---

40

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<sup>40</sup> LastWeekHours (continuous non-ordinal derived variable)



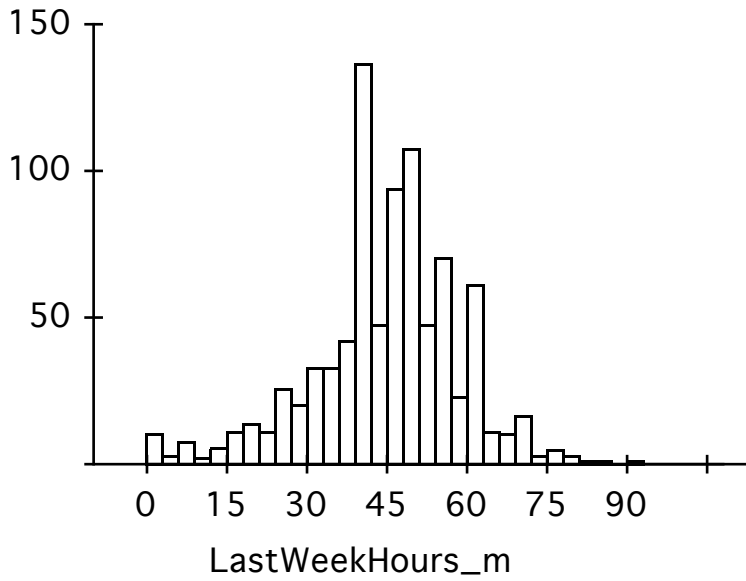
Summary of cases selected according to 2284 total cases of which 1424 are missing

LastWeekHours\_m  
GVETruck\_m

Percentile 25

Total Cases	2284
Count	860
Mean	44.2432
Median	45
StdDev	13.9028
Min	0
Max	90
Lower ith %tile	38.6250
Upper ith %tile	53

---



Summary of cases selected according to 2284 total cases of which 1453 are missing

LastWeekHours\_m  
GVE CDL Truck\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	831
<b>Mean</b>	44.4102
<b>Median</b>	45
<b>StdDev</b>	13.7927
<b>Min</b>	0
<b>Max</b>	90
<b>Lower ith %tile</b>	38.5000
<b>Upper ith %tile</b>	53

---

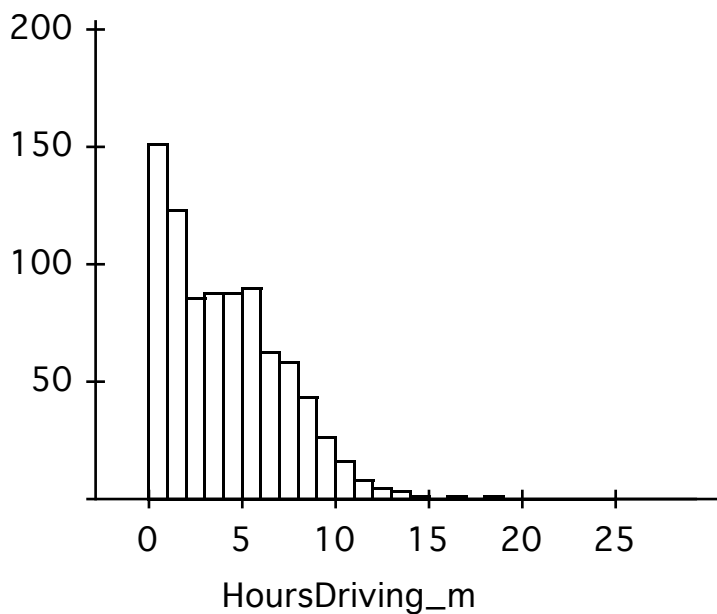
Summary of  
No Selector  
2284 total cases of which 1422 are missing

HoursDriving\_m

Percentile 25

Total Cases	2284
Count	862
Mean	4.08353
Median	3.50000
StdDev	3.22297
Min	0.130000
Max	24
Lower ith %tile	1.33000
Upper ith %tile	6

41



<sup>41</sup> HoursDriving (continuous non-ordinal derived variable)

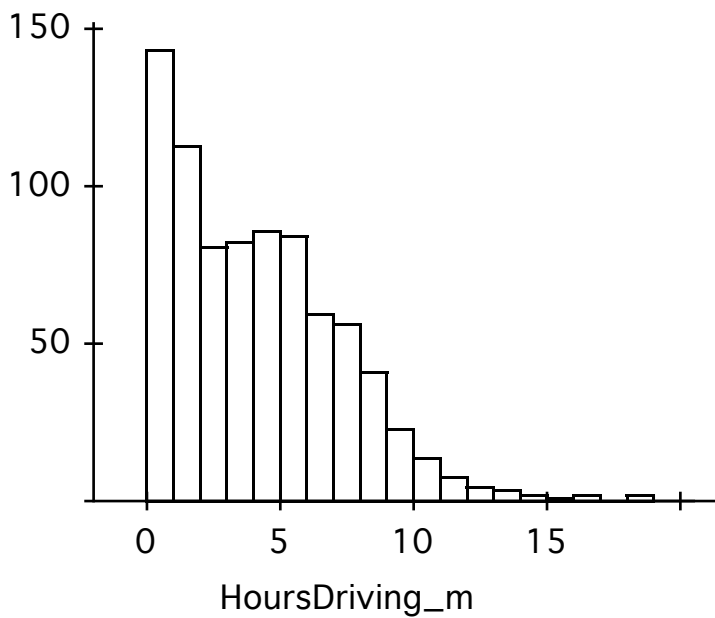
Summary of cases selected according to 2284 total cases of which 1475 are missing

HoursDriving\_m  
GVETruck\_m

Percentile 25

Total Cases	2284
Count	809
Mean	4.05188
Median	3.58000
StdDev	3.14364
Min	0.130000
Max	18.5000
Lower ith %tile	1.36000
Upper ith %tile	6

---



Summary of  
cases selected according to  
2284 total cases of which 1499 are missing

HoursDriving\_m  
GVE CDL Truck\_m

Percentile 25

Total Cases	2284
Count	785
Mean	4.11929
Median	3.67000
StdDev	3.20476
Min	0.130000
Max	24
Lower ith %tile	1.42000
Upper ith %tile	6

---

Summary of  
No Selector  
2284 total cases of which 1233 are missing

ADSHoursOnDutyD\_m

Percentile 25

Total Cases	2284
Count	1051
Mean	4.65228
Median	4.17000
StdDev	3.56247
Min	0
Max	20
Lower ith %tile	1.50000
Upper ith %tile	7

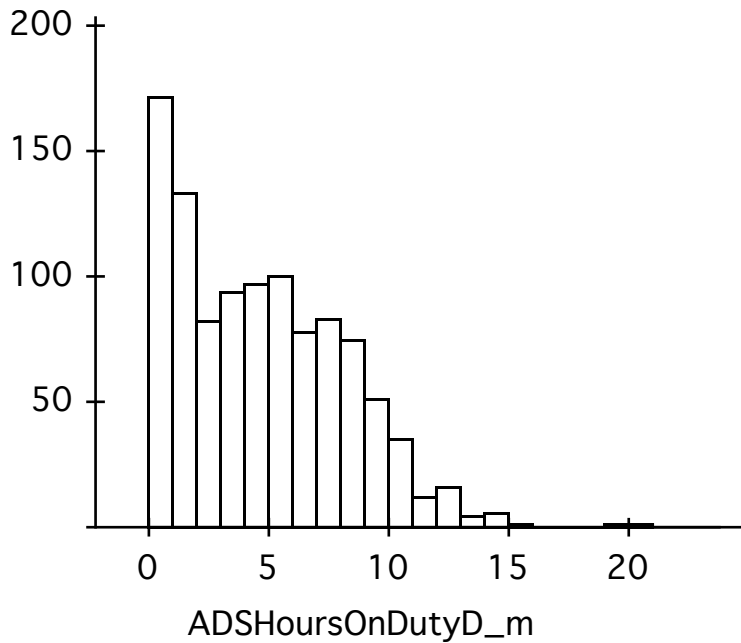
---

42

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<sup>42</sup> ADSHoursOnDuty (continuous non-ordinal derived variable)





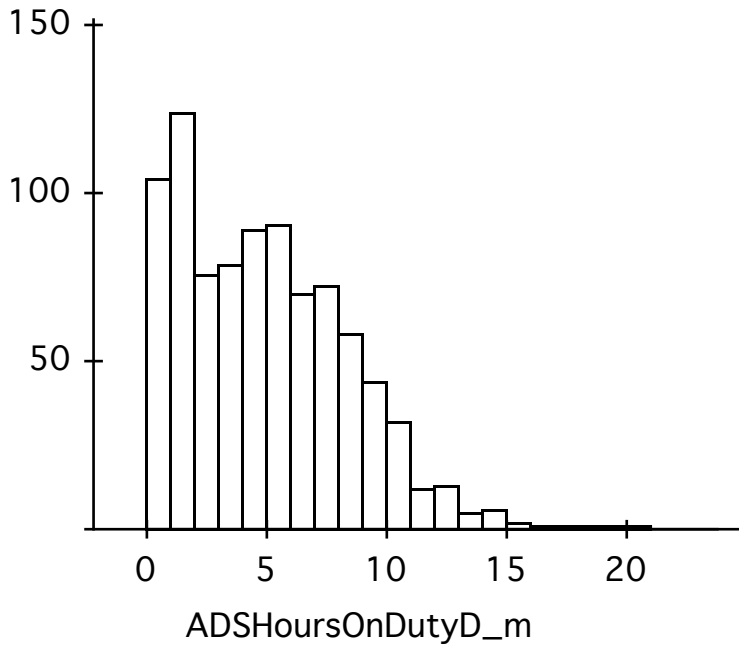
Summary of cases selected according to 2284 total cases of which 1401 are missing

ADSHoursOnDutyD\_m  
GVETruck\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	883
<b>Mean</b>	4.84515
<b>Median</b>	4.50000
<b>StdDev</b>	3.45112
<b>Min</b>	0
<b>Max</b>	20
<b>Lower ith %tile</b>	1.80500
<b>Upper ith %tile</b>	7

---



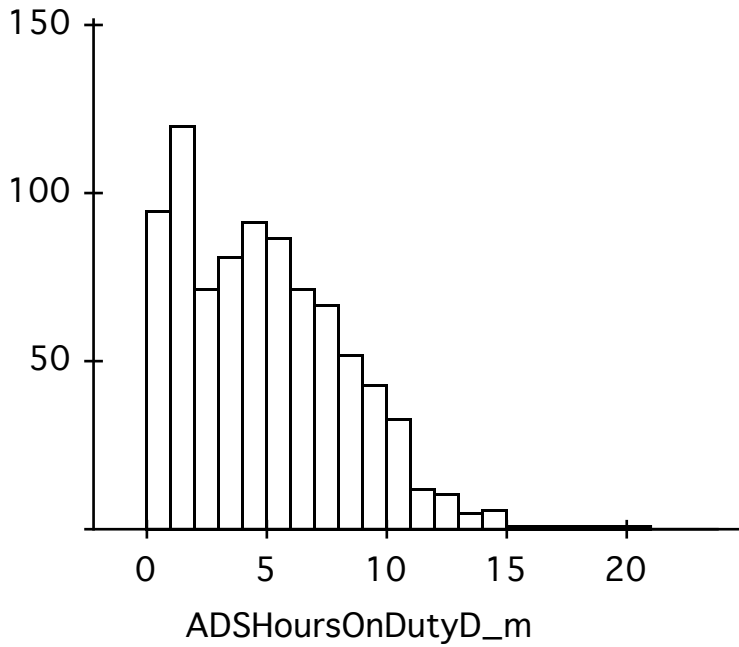
Summary of cases selected according to 2284 total cases of which 1430 are missing

ADSHoursOnDutyD\_m  
GVE CDL Truck\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	854
<b>Mean</b>	4.84800
<b>Median</b>	4.50000
<b>StdDev</b>	3.42165
<b>Min</b>	0
<b>Max</b>	20
<b>Lower ith %tile</b>	1.95000
<b>Upper ith %tile</b>	7

---



Summary of  
 No Selector  
 2284 total cases of which 920 are missing

**WeekLongest\_m**

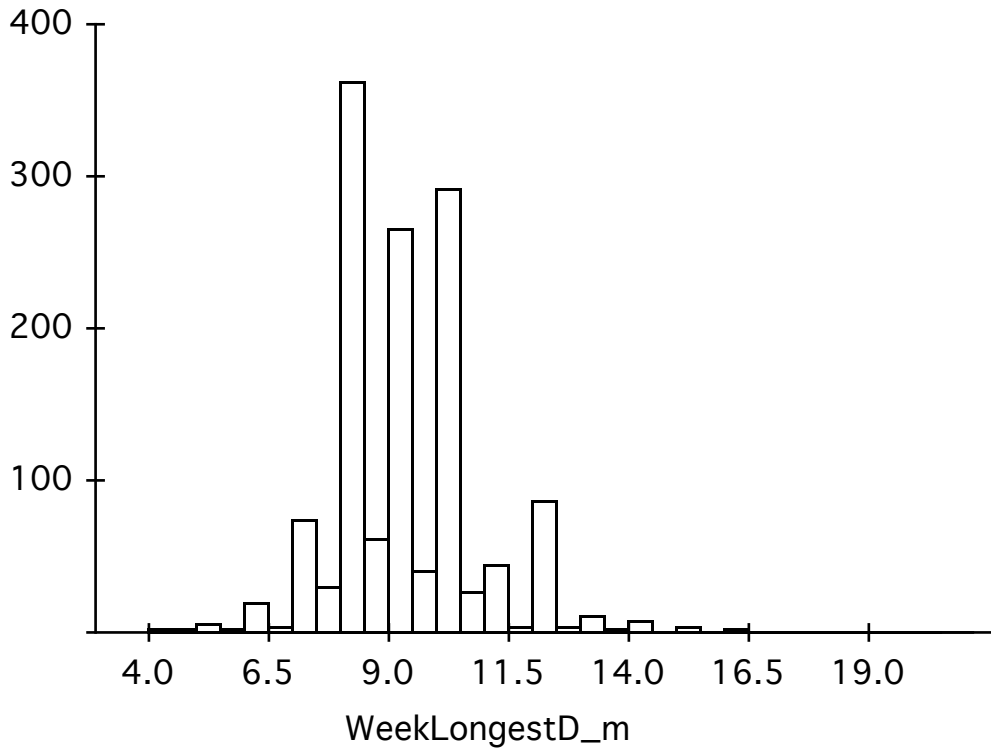
Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	1364
<b>Mean</b>	9.14040
<b>Median</b>	9
<b>StdDev</b>	1.60701
<b>Min</b>	4
<b>Max</b>	20
<b>Lower ith %tile</b>	8
<b>Upper ith %tile</b>	10

43

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<sup>43</sup> WeekLongest (continuous non-ordinal derived variable)



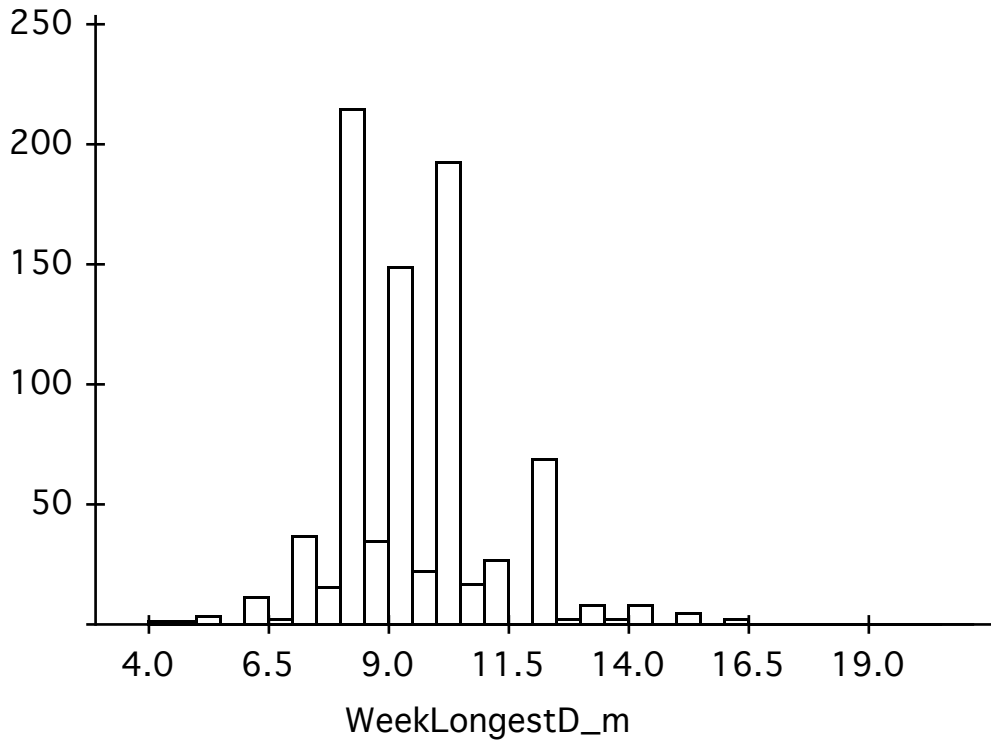
Summary of cases selected according to 2284 total cases of which 1446 are missing

WeekLongestD\_m  
GVETruck\_m

Percentile 25

Total Cases	2284
Count	838
Mean	9.29962
Median	9
StdDev	1.74105
Min	4
Max	20
Lower ith %tile	8
Upper ith %tile	10

---

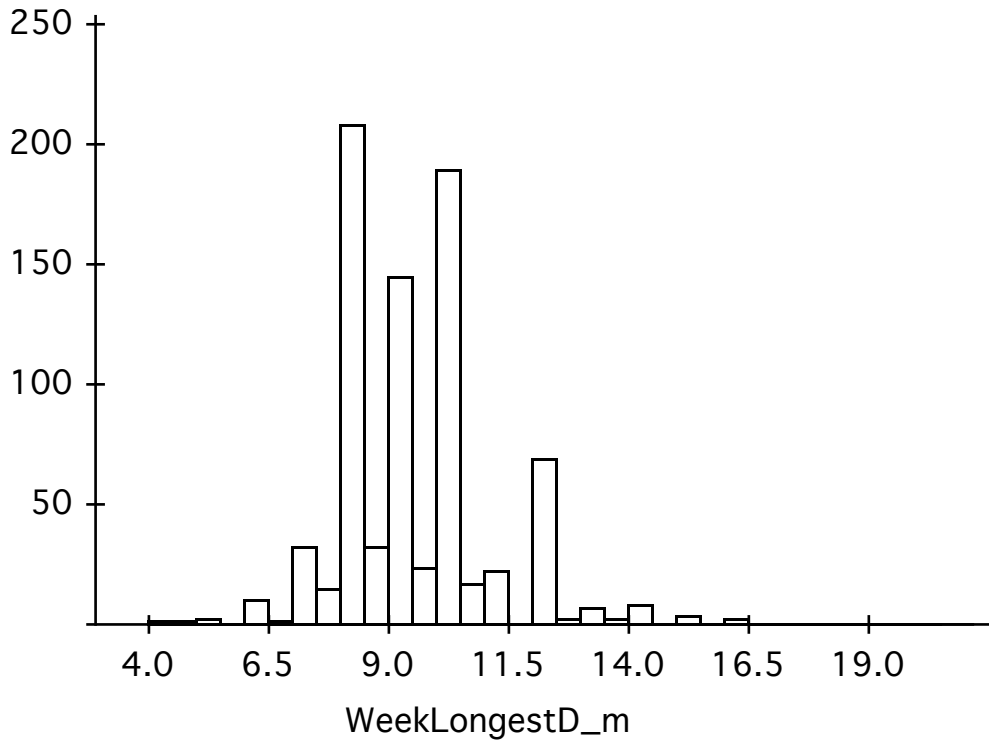


Summary of cases selected according to 2284 total cases of which 1477 are missing

WeekLongestD\_m  
GVE CDL Truck\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	807
<b>Mean</b>	9.32218
<b>Median</b>	9
<b>StdDev</b>	1.72312
<b>Min</b>	4
<b>Max</b>	20
<b>Lower ith %tile</b>	8
<b>Upper ith %tile</b>	10



Summary of  
 No Selector  
 2284 total cases of which 903 are missing

WeekAverage\_m

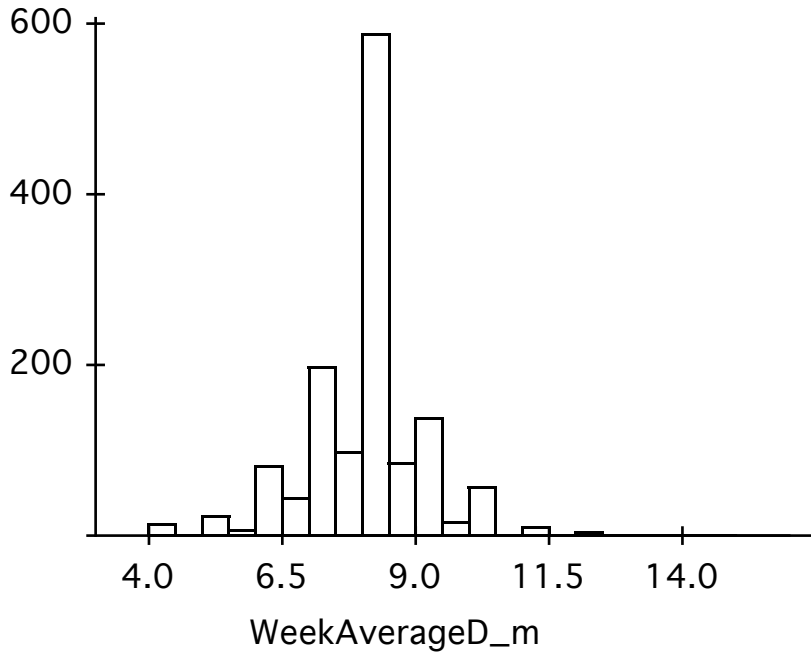
Percentile 25

Total Cases	2284
Count	1381
Mean	7.83088
Median	8
StdDev	1.15626
Min	4
Max	14.5000
Lower ith %tile	7
Upper ith %tile	8

44

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<sup>44</sup> WeekAverage (continuous non-ordinal derived variable)



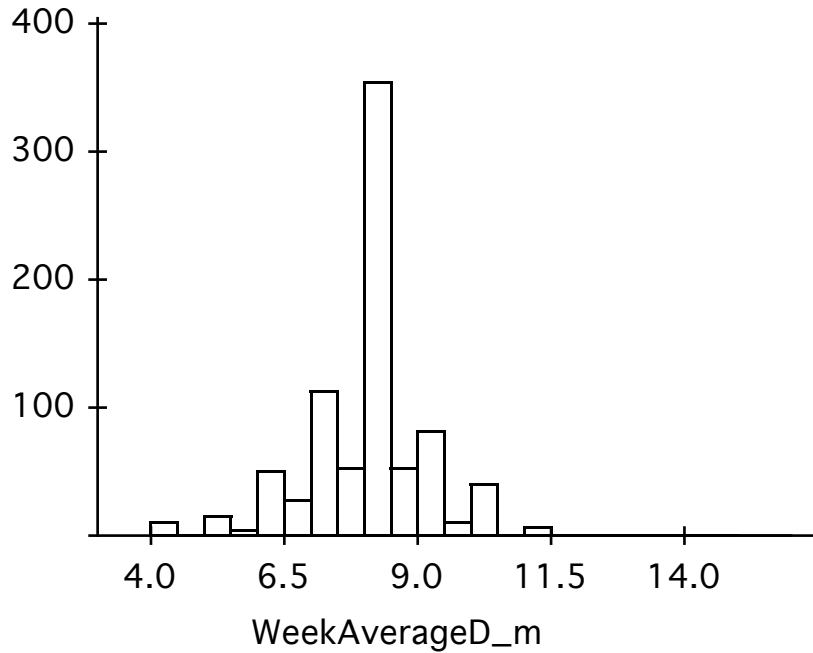
Summary of cases selected according to 2284 total cases of which 1444 are missing

WeekAverageD\_m  
GVETruck\_m

Percentile 25

Total Cases	2284
Count	840
Mean	7.83663
Median	8
StdDev	1.21635
Min	4
Max	14.5000
Lower ith %tile	7
Upper ith %tile	8

---



Summary of cases selected according to 2284 total cases of which 1478 are missing

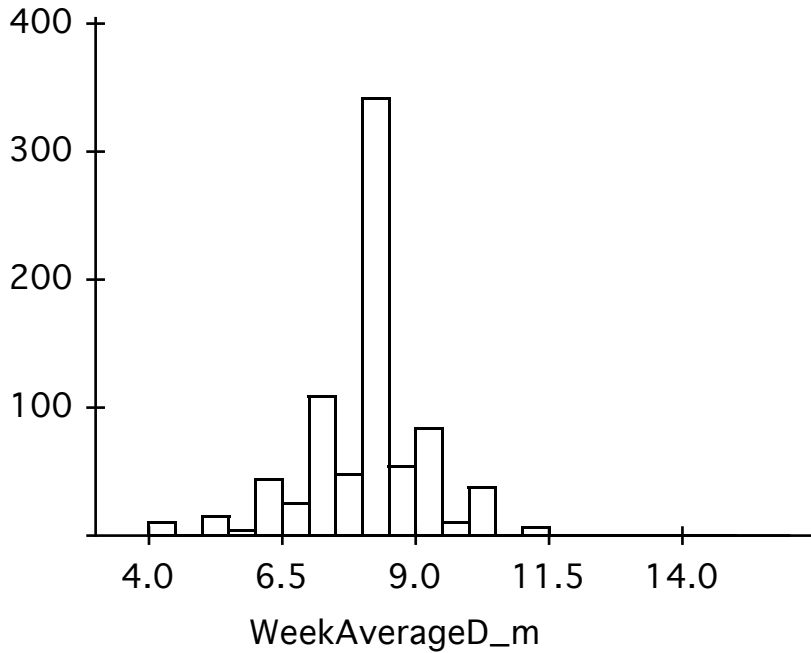
WeekAverageD\_m  
GVE CDL Truck\_m

Percentile 25

Total Cases	2284
Count	806
Mean	7.86042
Median	8
StdDev	1.21610
Min	4
Max	14.5000
Lower ith %tile	7
Upper ith %tile	8.50000

---





Frequency breakdown of Rotation\_m  
 No Selector  
 2284 total cases of which 829 are missing

	<b>Total Cases</b>	1455			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	1339	1339	92.027	92.027	
1	116	1455	7.973	100.000	<sup>45</sup>

Frequency breakdown of Rotation\_m  
 cases selected according to GVETruck\_m  
 2284 total cases of which 1421 are missing

	<b>Total Cases</b>	863			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	763	763	88.413	88.413	
1	100	863	11.587	100.000	

---

<sup>45</sup> Rotation

Frequency breakdown of cases selected according to 2284 total cases of which 1451 are missing

Rotation\_m  
GVE CDL Truck\_m

Total Cases 833  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	728	728	87.395	87.395
1	105	833	12.605	100.000

Summary of No Selector 2284 total cases of which 1212 are missing

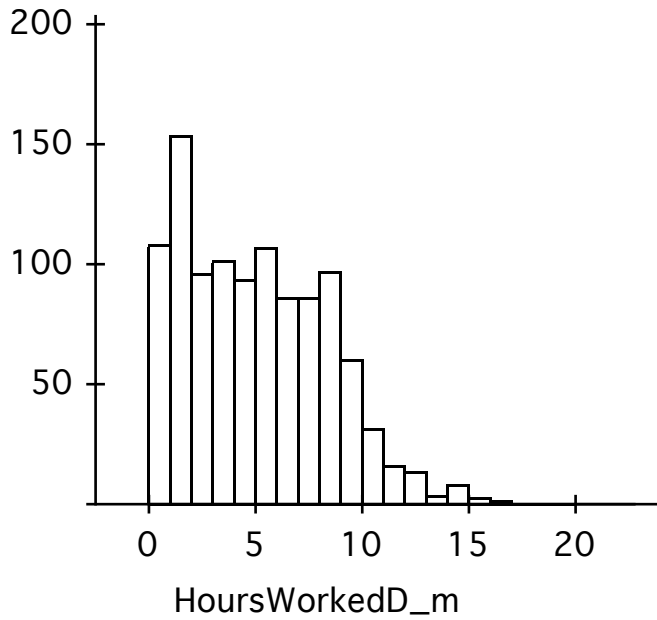
HoursWorked\_m

Percentile 25

Total Cases 2284  
Count 1072  
Mean 4.93123  
Median 4.75000  
StdDev 3.35657  
Min 0.130000  
Max 19  
Lower ith %tile 2  
Upper ith %tile 7.50000

46

<sup>46</sup> HoursWorked (continuous non-ordinal derived variable)



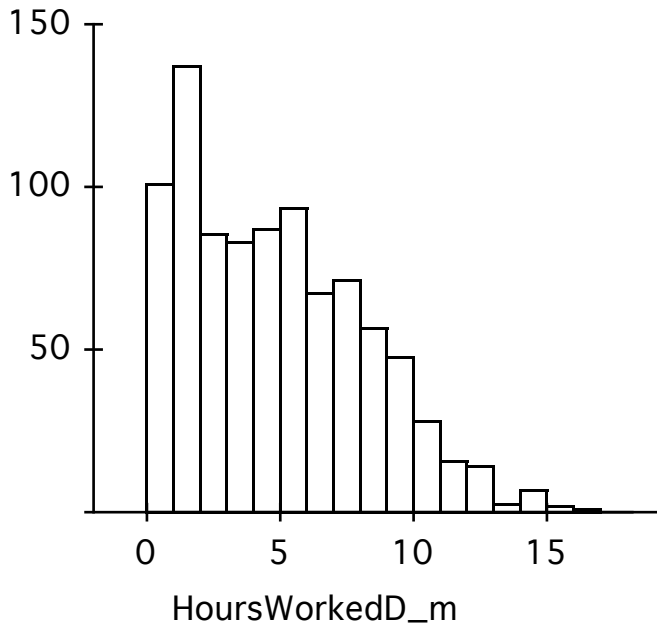
Summary of cases selected according to 2284 total cases of which 1380 are missing

HoursWorkedD\_m  
GVETruck\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	904
<b>Mean</b>	4.73871
<b>Median</b>	4.25000
<b>StdDev</b>	3.31815
<b>Min</b>	0.130000
<b>Max</b>	16.5000
<b>Lower ith %tile</b>	1.75000
<b>Upper ith %tile</b>	7

---



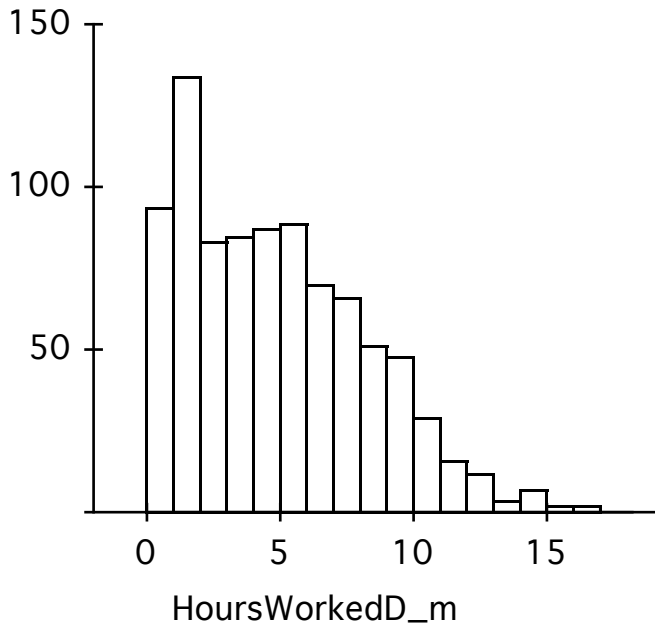
Summary of cases selected according to 2284 total cases of which 1405 are missing

HoursWorkedD\_m  
GVE CDL Truck\_m

Percentile 25

Total Cases	2284
Count	879
Mean	4.76497
Median	4.25000
StdDev	3.34534
Min	0.130000
Max	16.8000
Lower ith %tile	1.80000
Upper ith %tile	7

---



Summary of  
 No Selector  
 2284 total cases of which 933 are missing

ADSLongestDay\_m

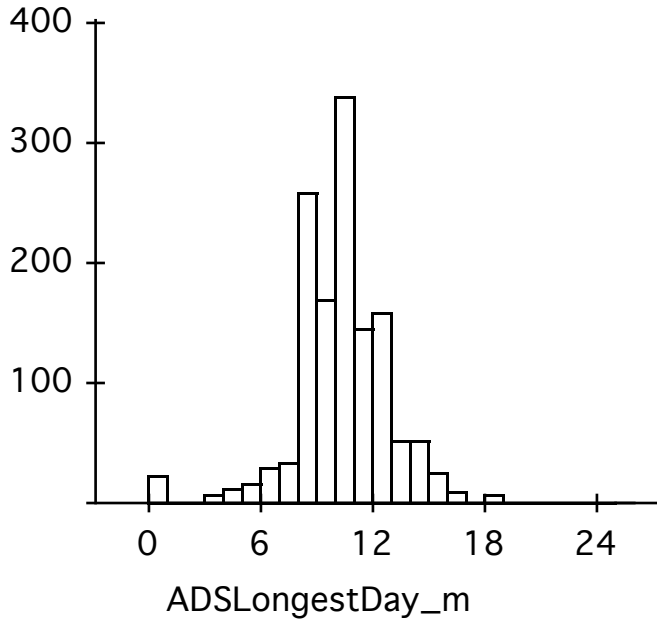
Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	1351
<b>Mean</b>	9.93056
<b>Median</b>	10
<b>StdDev</b>	2.69006
<b>Min</b>	0
<b>Max</b>	24
<b>Lower ith %tile</b>	8
<b>Upper ith %tile</b>	11.5000

47

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<sup>47</sup> ADSLongestDay (continuous non-ordinal derived variable)



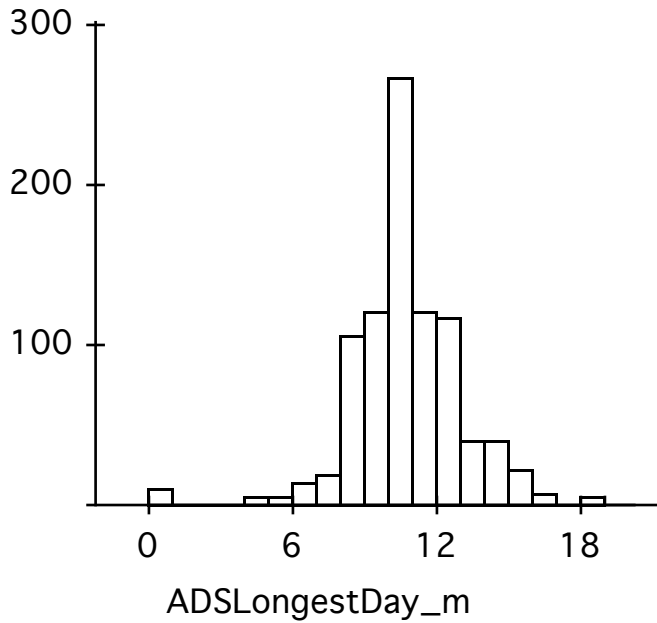
Summary of cases selected according to 2284 total cases of which 1381 are missing

ADSLongestDay\_m  
GVETruck\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	903
<b>Mean</b>	10.3954
<b>Median</b>	10
<b>StdDev</b>	2.39532
<b>Min</b>	0
<b>Max</b>	18.5000
<b>Lower ith %tile</b>	9
<b>Upper ith %tile</b>	12

---



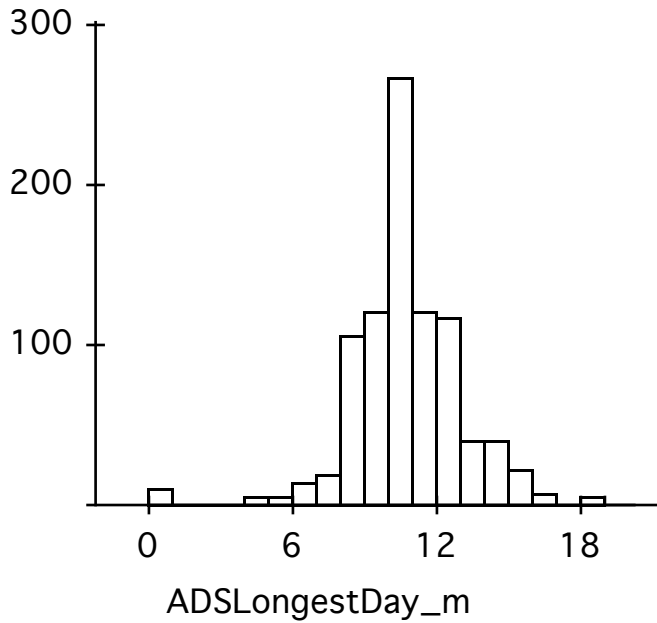
Summary of cases selected according to 2284 total cases of which 1412 are missing

ADSLongestDay\_m  
GVE CDL Truck\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	872
<b>Mean</b>	10.4835
<b>Median</b>	10
<b>StdDev</b>	2.34909
<b>Min</b>	0
<b>Max</b>	18.5000
<b>Lower ith %tile</b>	9.25000
<b>Upper ith %tile</b>	12

---



Summary of  
 No Selector  
 2284 total cases of which 959 are missing

ADSShortestDay\_m

Percentile 25

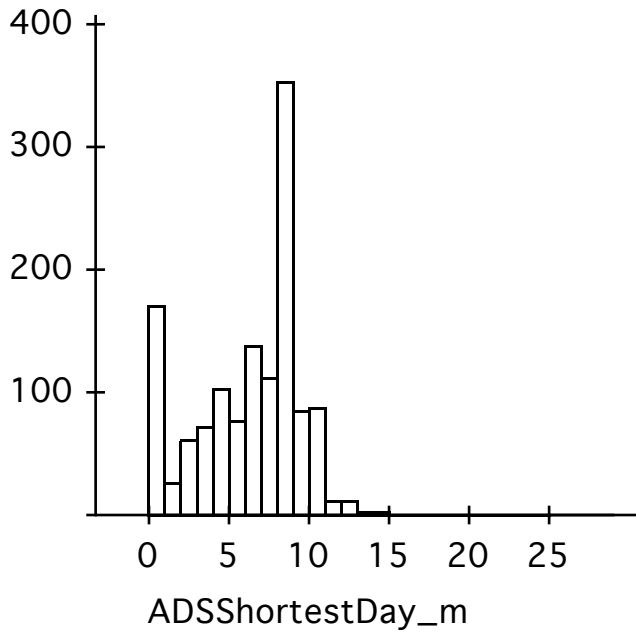
Total Cases	2284
Count	1325
Mean	5.89584
Median	7
StdDev	3.28107
Min	0
Max	24
Lower ith %tile	3.75000
Upper ith %tile	8

48

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<sup>48</sup> ADSShortestDay (continuous non-ordinal derived variable)





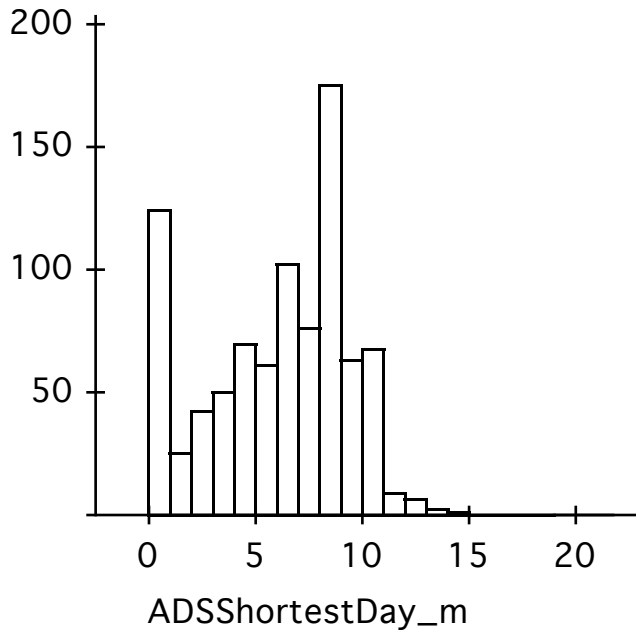
Summary of cases selected according to 2284 total cases of which 1400 are missing

ADSShortestDay\_m  
GVETruck\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	884
<b>Mean</b>	5.69546
<b>Median</b>	6
<b>StdDev</b>	3.31176
<b>Min</b>	0
<b>Max</b>	18
<b>Lower ith %tile</b>	3
<b>Upper ith %tile</b>	8

---



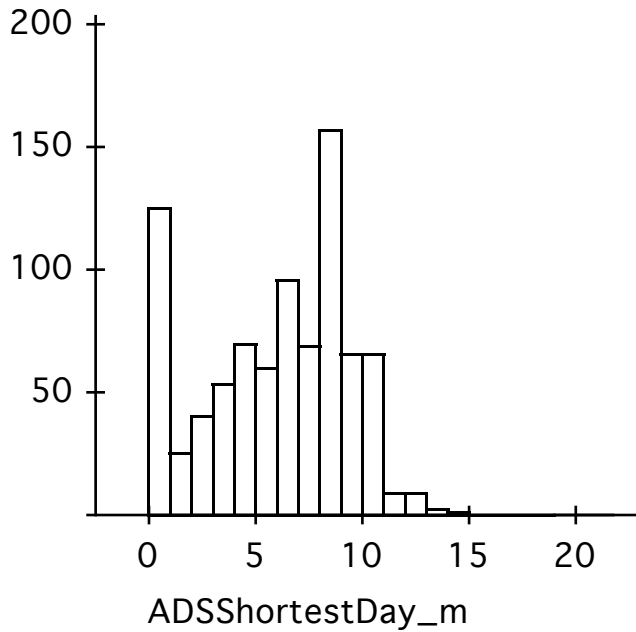
Summary of cases selected according to 2284 total cases of which 1429 are missing

ADSShortestDay\_m  
GVE CDL Truck\_m

Percentile 25

Total Cases	2284
Count	855
Mean	5.62392
Median	6
StdDev	3.36730
Min	0
Max	18
Lower ith %tile	3
Upper ith %tile	8

---



Summary of  
 No Selector  
 2284 total cases of which 964 are missing

**ADSAverageDay\_m**

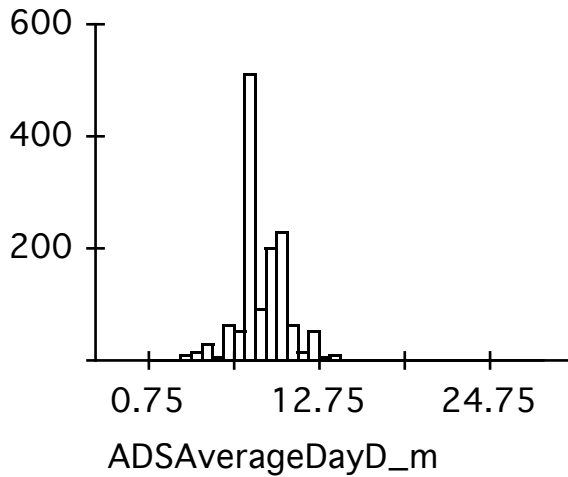
Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	1320
<b>Mean</b>	8.60895
<b>Median</b>	8
<b>StdDev</b>	1.86303
<b>Min</b>	0.750000
<b>Max</b>	24
<b>Lower ith %tile</b>	8
<b>Upper ith %tile</b>	10

49

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<sup>49</sup> AverageDayD (continuous non-ordinal derived variable)



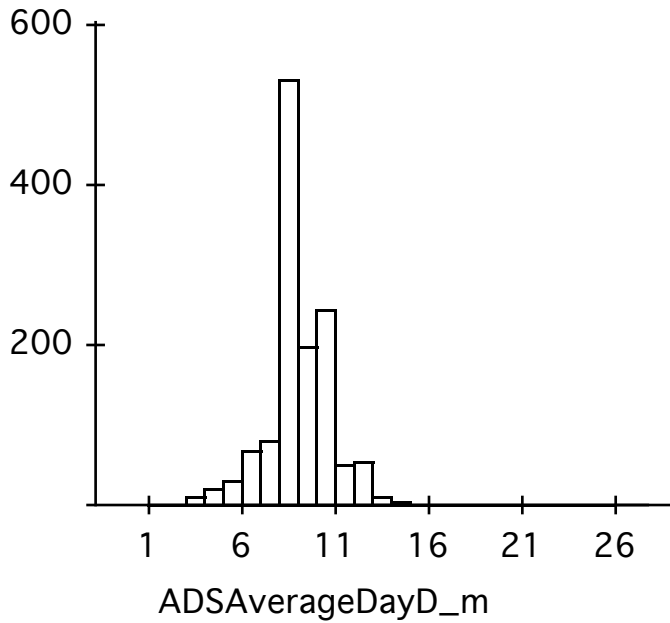
Summary of  
 No Selector  
 2284 total cases of which 964 are missing

ADSAverageDayD\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	1320
<b>Mean</b>	8.60895
<b>Median</b>	8
<b>StdDev</b>	1.86303
<b>Min</b>	0.750000
<b>Max</b>	24
<b>Lower ith %tile</b>	8
<b>Upper ith %tile</b>	10

---



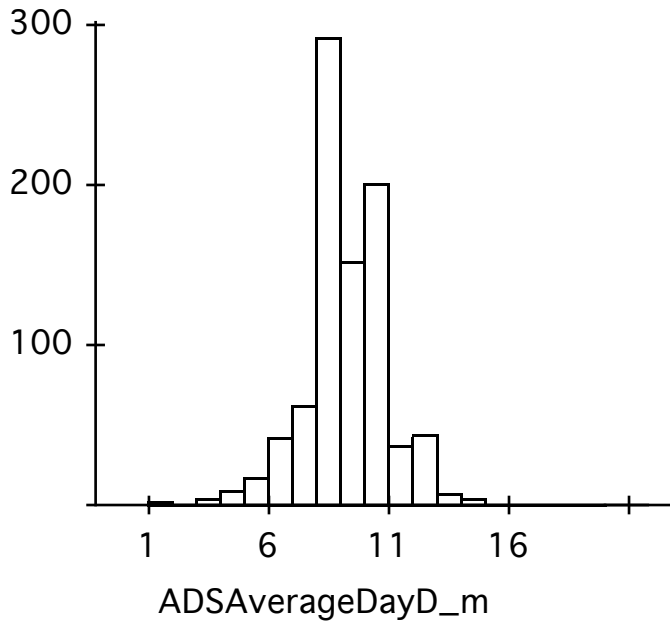
Summary of cases selected according to 2284 total cases of which 1405 are missing

ADSAverageDayD\_m  
GVETruck\_m

Percentile 25

Total Cases	2284
Count	879
Mean	8.82537
Median	8.85000
StdDev	1.74070
Min	0.750000
Max	18
Lower ith %tile	8
Upper ith %tile	10

---



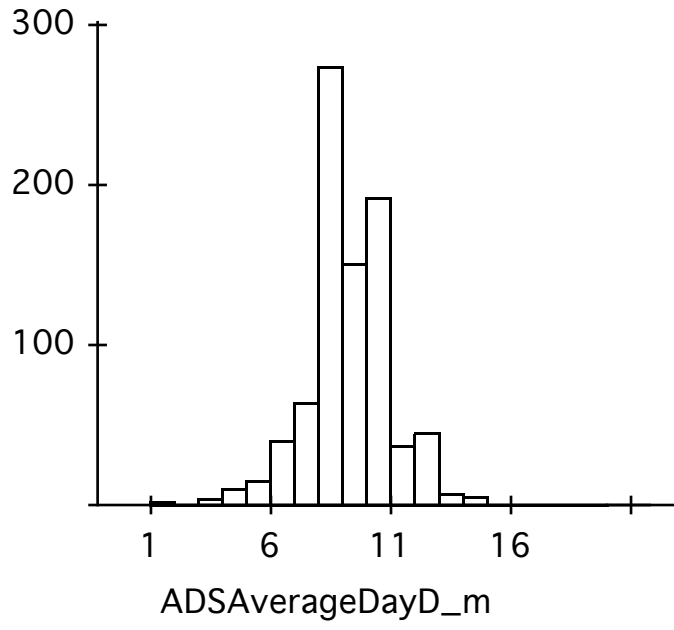
Summary of cases selected according to 2284 total cases of which 1433 are missing

ADSAverageDayD\_m  
GVE CDL Truck\_m

Percentile 25

Total Cases	2284
Count	851
Mean	8.85034
Median	9
StdDev	1.76675
Min	0.750000
Max	18
Lower ith %tile	8
Upper ith %tile	10

---



### GeneralVehicle Relation

Frequency breakdown of	GVEBodyType_m
2284 total cases of which 206 are missing	Total Cases: 2078
Number of Categories	40 (truck characteristics identified) DrivePayThisTrip

Group		Count	Cumulative Count	%	Cumulative %
1		12	12	0.577	0.577
2		110	122	5.294	5.871
3		36	158	1.732	7.603
4		359	517	17.276	24.880
5		12	529	0.577	25.457
6		15	544	0.722	26.179
9		10	554	0.481	26.660
14		97	651	4.668	31.328
15		17	668	0.818	32.146
16		7	675	0.337	32.483
17		2	677	0.096	32.579
19		1	678	0.048	32.628
20		59	737	2.839	35.467
21		33	770	1.588	37.055
24		1	771	0.048	37.103
28		2	773	0.096	37.199
29		2	775	0.096	37.295
30		57	832	2.743	40.038
31		91	923	4.379	44.418
32		1	924	0.048	44.466
39		1	925	0.048	44.514
40		6	931	0.289	44.803
48		1	932	0.048	44.851
50	50 School bus	1	933	0.048	44.899
58	Other bus type	6	939	0.289	45.188
60	Step van	3	942	0.144	45.332
61	Single unit straight truck(4500kg<GVWR<=8850kg)	46	988	2.214	47.546
62	Single unit straight truck(8850kg<GVWR<=12000kg)	47	1035	2.262	49.808
63	Single unit straight truck (GVWR > 12,000kg)	215	1250	10.346	60.154
64	Single unit straight truck (GVWR	13	1263	0.626	60.780



	unknown)				
65	Medium/heavy truck based motor home	1	1264	0.048	60.828
67	Truck-tractor with no cargo trailer	30	1294	1.444	62.271
68	Truck-tractor pulling one trailer	708	2002	34.071	96.343
69	Truck-tractor pulling two or more trailers	57	2059	2.743	99.086
78	Unknown medium/heavy truck type	4	2063	0.192	99.278
79	Unknown truck type (light/medium/heavy)	1	2064	0.048	99.326
80		11	2075	0.529	99.856
88		1	2076	0.048	99.904
93		1	2077	0.048	99.952
97		1	2078	0.048	100.000

Frequency breakdown of  
No Selector

GVEVehicleClassTruck\_m

2284 total cases of which 206 are missing

Total Cases 2078  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	954	954	45.910	45.910
1	1124	2078	54.090	100.000

50

Frequency breakdown of  
No Selector

GVEVehicleClassCDL\_m

2284 total cases of which 206 are missing

Total Cases 2078  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1278	1278	61.501	61.501
1	800	2078	38.499	100.000

51

<sup>50</sup> GVEVehicleClassTruck (derived)

<sup>51</sup> GVEVehicleClassCDL (derived)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 206 are missing

GVETruck\_m

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1012	1012	48.701	48.701
1	1066	2078	51.299	100.000

<sup>52</sup>

Frequency breakdown of  
 No Selector  
 2284 total cases of which 206 are missing

GVE CDL Truck\_m

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1064	1064	51.203	51.203
1	1014	2078	48.797	100.000

<sup>52</sup> GVETruck (derived)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 206 are missing

GVEVehicleClass\_m

Total Cases 2078  
 Number of Categories 30

Group	Count	Cumulative Count	%	Cumulative %
1	120	120	5.775	5.775
2	186	306	8.951	14.726
3	162	468	7.796	22.522
4	49	517	2.358	24.880
5	28	545	1.347	26.227
9	11	556	0.529	26.756
14	97	653	4.668	31.424
15	17	670	0.818	32.243
16	7	677	0.337	32.579
19	1	678	0.048	32.628
20	59	737	2.839	35.467
21	33	770	1.588	37.055
24	1	771	0.048	37.103
28	2	773	0.096	37.199
29	2	775	0.096	37.295
30	57	832	2.743	40.038
31	91	923	4.379	44.418
38	1	924	0.048	44.466
39	1	925	0.048	44.514
45	6	931	0.289	44.803
48	1	932	0.048	44.851
50	1	933	0.048	44.899
58	6	939	0.289	45.188
60	327	1266	15.736	60.924
67	30	1296	1.444	62.368
68	763	2059	36.718	99.086
78	4	2063	0.192	99.278
79	1	2064	0.048	99.326
80	12	2076	0.577	99.904
90	2	2078	0.096	100.000

53

<sup>53</sup> GVEVehicleClass

Frequency breakdown of  
 No Selector  
 2284 total cases of which 206 are missing

GVEVehicleClassTruck\_m

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	954	954	45.910	45.910
1	1124	2078	54.090	100.000

54

Frequency breakdown of  
 No Selector  
 2284 total cases of which 206 are missing

GVEVehicleClassCDL\_m

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1278	1278	61.501	61.501
1	800	2078	38.499	100.000

55

<sup>54</sup> GVEVehicleClassTruck (derived)

<sup>55</sup> GVEVehicleClassCDL (derived)

Frequency breakdown of **EthnicOrigin\_m**  
 No Selector  
 2284 total cases of which 546 are missing

	<b>Total Cases</b>	1738			
	<b>Number of Categories</b>	7			

Group	Count	Cumulative Count	%	Cumulative %
1	1162	1162	66.858	66.858
2	253	1415	14.557	81.415
3	236	1651	13.579	94.994
4	14	1665	0.806	95.800
5	9	1674	0.518	96.318
6	48	1722	2.762	99.079
7	16	1738	0.921	100.000

56

Frequency breakdown of **White**  
 No Selector  
 2284 total cases of which 546 are missing

	<b>Total Cases</b>	1738			
	<b>Number of Categories</b>	2			

Group	Count	Cumulative Count	%	Cumulative %
0	576	576	33.142	33.142
1	1162	1738	66.858	100.000

57

<sup>56</sup> **EthnicOrigin**

**Code Meaning**

- 1 White (non-Hispanic)
- 2 Black (non-Hispanic)
- 3 White (Hispanic)
- 4 Black (Hispanic)
- 5 American Indian, Eskimo or Aleut
- 6 Asian or Pacific Islander
- 7 Other (specify)
- 8 No driver present
- 9 Unknown

<sup>57</sup> White. Derived by setting all EthnicOrigin = 1 to 1; all else to 0.

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1487 are missing

CMVCrashes\_m

Total Cases 797  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
0	704	704	88.331	88.331
1	71	775	8.908	97.240
2	15	790	1.882	99.122
3	7	797	0.878	100.000

58

Summary of  
 No Selector  
 2284 total cases of which 1487 are missing

CMVCrashes\_m

Percentile 25

Total Cases 2284  
 Count 797  
 Mean 0.153074  
 Median 0  
 StdDev 0.469316  
 Min 0  
 Max 3  
 Lower ith %tile 0  
 Upper ith %tile 0

<sup>58</sup> CMVCrashes (continuous variable)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1570 are missing

CMVViolations\_m

Total Cases 714  
 Number of Categories 13

Group	Count	Cumulative Count	%	Cumulative %
0	404	404	56.583	56.583
1	130	534	18.207	74.790
2	65	599	9.104	83.894
3	45	644	6.303	90.196
4	24	668	3.361	93.557
5	18	686	2.521	96.078
6	10	696	1.401	97.479
7	7	703	0.980	98.459
8	6	709	0.840	99.300
9	1	710	0.140	99.440
10	2	712	0.280	99.720
11	1	713	0.140	99.860
13	1	714	0.140	100.000

59

Summary of  
 No Selector  
 2284 total cases of which 1570 are missing

CMVViolations\_m

Percentile 25

Total Cases	2284
Count	714
Mean	1.10784
Median	0
StdDev	1.83877
Min	0
Max	13
Lower ith %tile	0
Upper ith %tile	2

60

<sup>59</sup> CMVViolations (continuous variable)

<sup>60</sup> CMVViolations (continuous variable)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1487 are missing

NonCMVCrashes\_m

Total Cases 797  
 Number of Categories 6

Group	Count	Cumulative Count	%	Cumulative %
0	688	688	86.324	86.324
1	76	764	9.536	95.859
2	26	790	3.262	99.122
3	4	794	0.502	99.624
4	2	796	0.251	99.875
5	1	797	0.125	100.000

61

Summary of  
 No Selector  
 2284 total cases of which 1487 are missing

NonCMVCrashes\_m

Percentile 25

Total Cases	2284
Count	797
Mean	0.191970
Median	0
StdDev	0.553232
Min	0
Max	5
Lower ith %tile	0
Upper ith %tile	0

<sup>61</sup> NonCMVCrashes (continuous variable)



Frequency breakdown of  
 No Selector  
 2284 total cases of which 1570 are missing

NonCMVViolations\_m

Total Cases 714  
 Number of Categories 17

Group	Count	Cumulative Count	%	Cumulative %
0	222	222	31.092	31.092
1	217	439	30.392	61.485
2	112	551	15.686	77.171
3	56	607	7.843	85.014
4	40	647	5.602	90.616
5	22	669	3.081	93.697
6	18	687	2.521	96.218
7	6	693	0.840	97.059
8	7	700	0.980	98.039
9	3	703	0.420	98.459
10	3	706	0.420	98.880
11	3	709	0.420	99.300
12	1	710	0.140	99.440
13	1	711	0.140	99.580
14	1	712	0.140	99.720
16	1	713	0.140	99.860
22	1	714	0.140	100.000

62

<sup>62</sup> NonCMVViolations (continuous variable)

Summary of  
 No Selector  
 2284 total cases of which 1570 are missing

NonCMVViolations\_m

Percentile 25

Total Cases	2284
Count	714
Mean	1.75350
Median	1
StdDev	2.28066
Min	0
Max	22
Lower ith %tile	0
Upper ith %tile	2

---

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1489 are missing

TotalCrashes\_m

Total Cases 795  
 Number of Categories 6

Group	Count	Cumulative Count	%	Cumulative %
0	607	607	76.352	76.352
1	131	738	16.478	92.830
2	38	776	4.780	97.610
3	14	790	1.761	99.371
4	3	793	0.377	99.748
5	2	795	0.252	100.000

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63

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<sup>63</sup> TotalCrashes (continuous variable)

Summary of  
No Selector  
2284 total cases of which 1489 are missing

TotalCrashes\_m

Percentile 25

Total Cases	2284
Count	795
Mean	0.340881
Median	0
StdDev	0.722629
Min	0
Max	5
Lower ith %tile	0
Upper ith %tile	0

---

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1020 are missing

GVETotalViolations\_m

Total Cases 1264  
 Number of Categories 19

Group	Count	Cumulative Count	%	Cumulative %
0	483	483	38.212	38.212
1	252	735	19.937	58.149
2	173	908	13.687	71.835
3	100	1008	7.911	79.747
4	75	1083	5.934	85.680
5	50	1133	3.956	89.636
6	30	1163	2.373	92.009
7	37	1200	2.927	94.937
8	19	1219	1.503	96.440
9	15	1234	1.187	97.627
10	8	1242	0.633	98.259
11	4	1246	0.316	98.576
12	3	1249	0.237	98.813
13	4	1253	0.316	99.130
14	5	1258	0.396	99.525
16	1	1259	0.079	99.604
18	1	1260	0.079	99.684
21	2	1262	0.158	99.842
22	2	1264	0.158	100.000

---

Summary of  
 No Selector  
 2284 total cases of which 1020 are missing

GVETotalViolations\_m

Percentile 25

Total Cases	2284
Count	1264
Mean	2.03797
Median	1
StdDev	2.83767
Min	0
Max	22
Lower ith %tile	0
Upper ith %tile	3

---

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1689 are missing

MCMIScrashes\_m

Total Cases	595
Number of Categories	4

Group	Count	Cumulative Count	%	Cumulative %
0	255	255	42.857	42.857
1	287	542	48.235	91.092
2	48	590	8.067	99.160
3	5	595	0.840	100.000

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64

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<sup>64</sup> MCMIScrashes (continuous variable)

Summary of  
No Selector  
2284 total cases of which 1689 are missing

MCMIScrashes\_m

Percentile 25

Total Cases	2284
Count	595
Mean	0.668908
Median	1
StdDev	0.658760
Min	0
Max	3
Lower ith %tile	0
Upper ith %tile	1

---

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1779 are missing

MCMIScmvViolations\_m

Total Cases 505  
 Number of Categories 27

Group	Count	Cumulative Count	%	Cumulative %
0	15	15	2.970	2.970
1	65	80	12.871	15.842
2	44	124	8.713	24.554
3	52	176	10.297	34.851
4	53	229	10.495	45.347
5	45	274	8.911	54.257
6	37	311	7.327	61.584
7	35	346	6.931	68.515
8	38	384	7.525	76.040
9	22	406	4.356	80.396
10	18	424	3.564	83.960
11	17	441	3.366	87.327
12	12	453	2.376	89.703
13	10	463	1.980	91.683
14	8	471	1.584	93.267
15	8	479	1.584	94.851
16	3	482	0.594	95.446
17	5	487	0.990	96.436
18	4	491	0.792	97.228
19	1	492	0.198	97.426
20	2	494	0.396	97.822
21	5	499	0.990	98.812
22	2	501	0.396	99.208
23	1	502	0.198	99.406
25	1	503	0.198	99.604
26	1	504	0.198	99.802
30	1	505	0.198	100.000

65

<sup>65</sup> MCMIScmvViolations (continuous variable)

Summary of  
No Selector  
2284 total cases of which 1779 are missing

MCMIScmvViolations\_m

Percentile 25

Total Cases	2284
Count	505
Mean	6.14851
Median	5
StdDev	4.89328
Min	0
Max	30
Lower ith %tile	3
Upper ith %tile	8

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## IntvwCarrier Relation

Frequency breakdown of  
No Selector

**BussType\_m**

2284 total cases of which 1175 are missing

Total Cases 1109  
Number of Categories 17

Group	Count	Cumulative Count	%	Cumulative %
1	34	34	3.066	3.066
2	14	48	1.262	4.328
3	87	135	7.845	12.173
4	21	156	1.894	14.067
5	15	171	1.353	15.419
6	36	207	3.246	18.665
7	25	232	2.254	20.920
8	29	261	2.615	23.535
9	173	434	15.600	39.134
11	33	467	2.976	42.110
12	4	471	0.361	42.471
13	4	475	0.361	42.831
14	525	1000	47.340	90.171
15	1	1001	0.090	90.261
16	4	1005	0.361	90.622
17	13	1018	1.172	91.794
88	91	1109	8.206	100.000

66

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<sup>66</sup> BussType

Frequency breakdown of  
No Selector  
2284 total cases of which 1280 are missing

CAICarrierType\_m

Total Cases 1004  
Number of Categories 6

Group	Count	Cumulative Count	%	Cumulative %
1	489	489	48.705	48.705
2	207	696	20.618	69.323
3	252	948	25.100	94.422
4	15	963	1.494	95.916
5	12	975	1.195	97.112
8	29	1004	2.888	100.000

67

Frequency breakdown of  
No Selector  
2284 total cases of which 1278 are missing

CAIStatus\_m

Total Cases 1006  
Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
1	687	687	68.290	68.290
2	297	984	29.523	97.813
8	22	1006	2.187	100.000

68

<sup>67</sup> CAICarrierType

<sup>68</sup> CAIStatus

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1177 are missing

OperType\_m

Total Cases 1107  
 Number of Categories 10

Group	Count	Cumulative Count	%	Cumulative %
1	92	92	8.311	8.311
2	170	262	15.357	23.668
3	61	323	5.510	29.178
4	15	338	1.355	30.533
5	107	445	9.666	40.199
6	25	470	2.258	42.457
7	289	759	26.107	68.564
8	63	822	5.691	74.255
9	229	1051	20.687	94.941
10	56	1107	5.059	100.000

69

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1285 are missing

Owner\_m

Total Cases 999  
 Number of Categories 6

Group	Count	Cumulative Count	%	Cumulative %
1	762	762	76.276	76.276
2	136	898	13.614	89.890
3	65	963	6.507	96.396
4	12	975	1.201	97.598
5	4	979	0.400	97.998
8	20	999	2.002	100.000

70

<sup>69</sup> OperType

<sup>70</sup> Owner

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1285 are missing

O-O\_m

Total Cases 999  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	851	851	85.185	85.185
1	148	999	14.815	100.000

71

Summary of  
 No Selector  
 2284 total cases of which 1326 are missing

TruckOper\_m

Percentile 25

Total Cases 2284  
 Count 958  
 Mean 27.9311  
 Median 1  
 StdDev 198.273  
 Min 0  
 Max 5000  
 Lower ith %tile 0  
 Upper ith %tile 6

72

<sup>71</sup> O-O, derived variable created by Sound Science.

<sup>72</sup> TruckOper (continuous variable)

Summary of  
No Selector  
2284 total cases of which 1314 are missing

TractorOper\_m

Percentile 25

Total Cases	2284
Count	970
Mean	409.956
Median	10
StdDev	1889.76
Min	0
Max	20000
Lower ith %tile	1
Upper ith %tile	70

73

Summary of  
No Selector  
2284 total cases of which 1338 are missing

PowerUnits\_m

Percentile 25

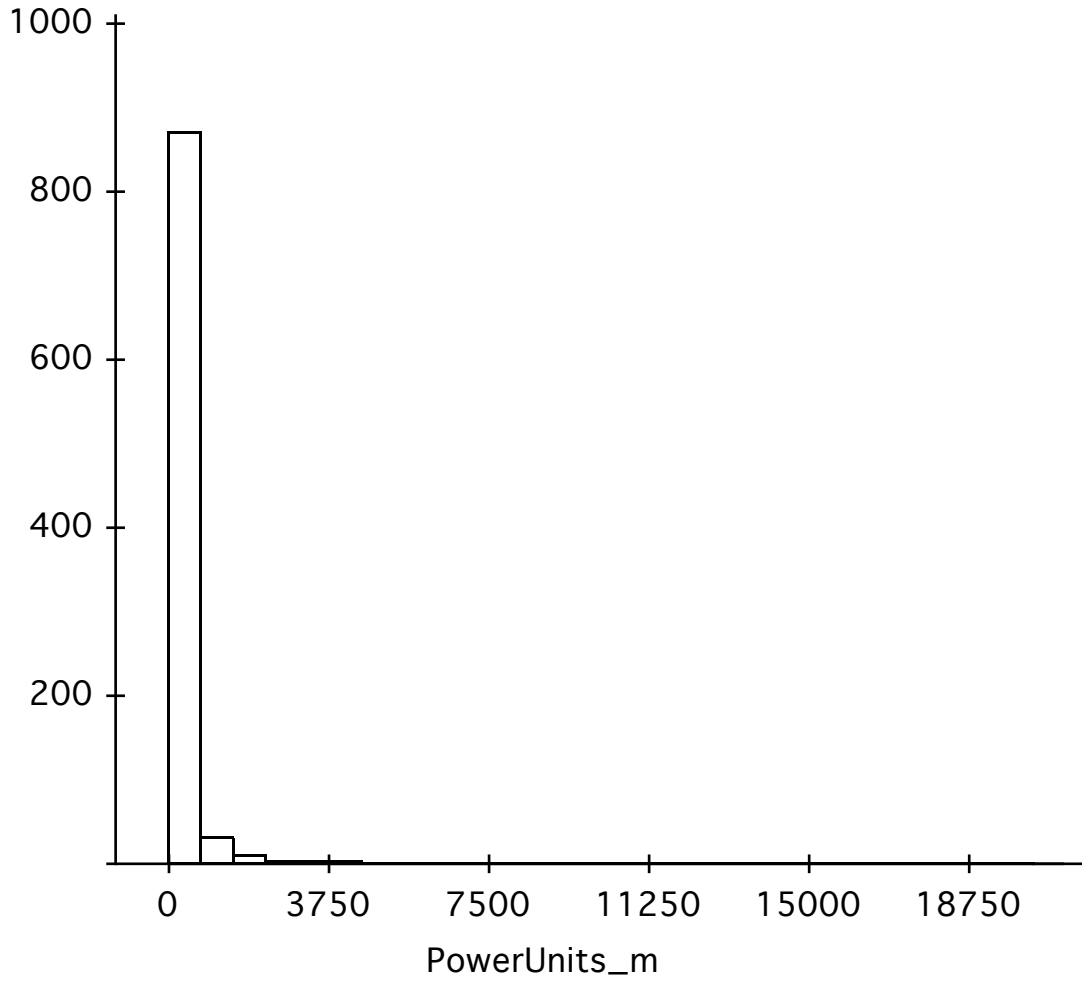
Total Cases	2284
Count	946
Mean	367.766
Median	18
StdDev	1662.06
Min	0
Max	20000
Skewness	7.55107
Kurtosis	64.0262
StdErr	54.0383
Lower ith %tile	5
Upper ith %tile	92

74

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<sup>73</sup> TractorOper (continuous variable

<sup>74</sup> PowerUnits (continuous derived variable created by Sound Science)




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Summary of TrailerOper\_m  
 No Selector  
 2284 total cases of which 1271 are missing

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	1013
<b>Mean</b>	1479.93
<b>Median</b>	15
<b>StdDev</b>	5570.22
<b>Min</b>	0
<b>Max</b>	57033
<b>Lower ith %tile</b>	2
<b>Upper ith %tile</b>	191.250

75

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<sup>75</sup> TrailerOper (continuous variable)

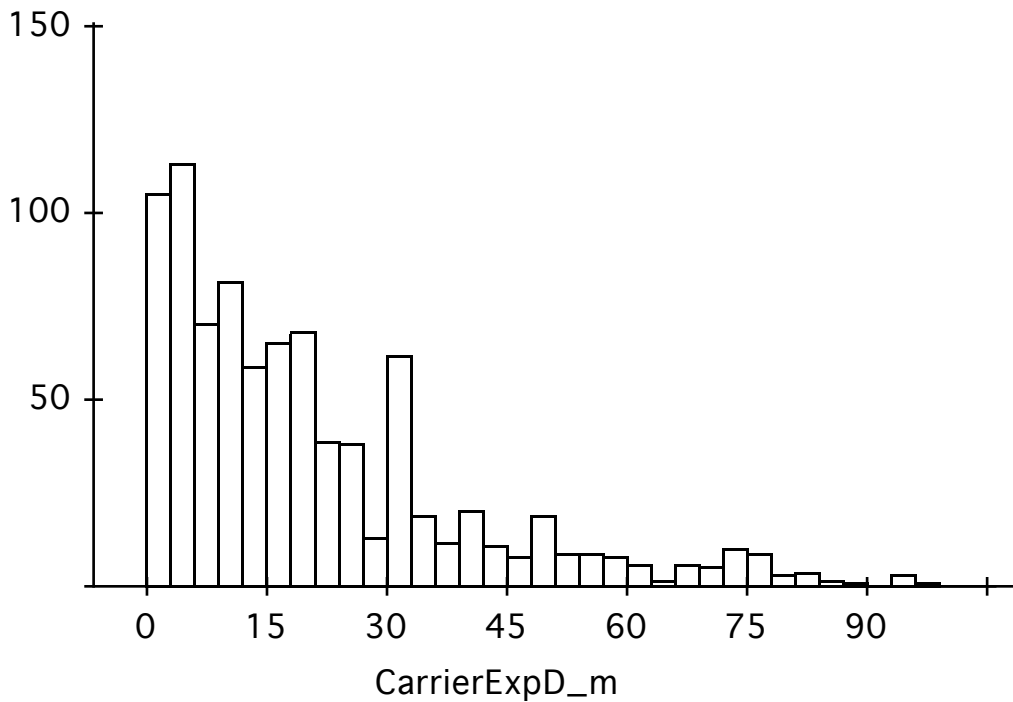
Summary of  
 No Selector  
 2284 total cases of which 1403 are missing

CarrierExpD\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	881
<b>Mean</b>	20.5216
<b>Median</b>	15
<b>StdDev</b>	19.2845
<b>Min</b>	0.083333
<b>Max</b>	97
<b>Lower ith %tile</b>	6
<b>Upper ith %tile</b>	30

76



<sup>76</sup> CarrierExp (originally in YYMM form; now a continuous variable, in years)

Summary of  
No Selector  
2284 total cases of which 1318 are missing

Fulltime\_m

Percentile 25

Total Cases	2284
Count	966
Mean	270.923
Median	20
StdDev	894.458
Min	0
Max	9675
Lower 5th %tile	4
Upper 95th %tile	102

---

77

Summary of  
No Selector  
2284 total cases of which 1369 are missing

Parttime\_m

Percentile 25

Total Cases	2284
Count	915
Mean	12.1126
Median	0
StdDev	178.090
Min	0
Max	5000
Lower 5th %tile	0
Upper 95th %tile	1

---

78

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<sup>77</sup> Fulltime (continuous variable)

<sup>78</sup> Parttime (continuous variable)



Frequency breakdown of  
 No Selector  
 2284 total cases of which 1540 are missing

AdvanceNoticeD\_m

Total Cases 744  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	84	84	11.290	11.290
1	660	744	88.710	100.000

79

Frequency breakdown of  
 cases selected according to  
 2284 total cases of which 1576 are missing

AdvanceNoticeD\_m  
 GVETruck\_m

Total Cases 708  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	82	82	11.582	11.582
1	626	708	88.418	100.000

80

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<sup>79</sup> AdvanceNotice

<sup>80</sup> AdvanceNoticeD

Frequency breakdown of  
No Selector  
2284 total cases of which 1848 are missing

ExtentNotice\_m

Total Cases 436  
Number of Categories 31

Group	Count	Cumulative Count	%	Cumulative %
0	50	50	11.468	11.468
1	4	54	0.917	12.385
2	6	60	1.376	13.761
3	3	63	0.688	14.450
4	4	67	0.917	15.367
5	4	71	0.917	16.284
6	4	75	0.917	17.202
8	9	84	2.064	19.266
9	1	85	0.229	19.495
10	4	89	0.917	20.413
12	17	106	3.899	24.312
15	1	107	0.229	24.541
16	1	108	0.229	24.771
23	1	109	0.229	25.000
24	205	314	47.018	72.018
30	1	315	0.229	72.248
36	2	317	0.459	72.706
47	1	318	0.229	72.936
48	49	367	11.239	84.174
49	1	368	0.229	84.404
72	10	378	2.294	86.697
94	1	379	0.229	86.927
96	1	380	0.229	87.156
120	9	389	2.064	89.220
144	16	405	3.670	92.890
168	22	427	5.046	97.936
216	2	429	0.459	98.394
223	1	430	0.229	98.624
225	4	434	0.917	99.541
313	1	435	0.229	99.771
315	1	436	0.229	100.000

81

<sup>81</sup> ExtentNotice (continuous variable)

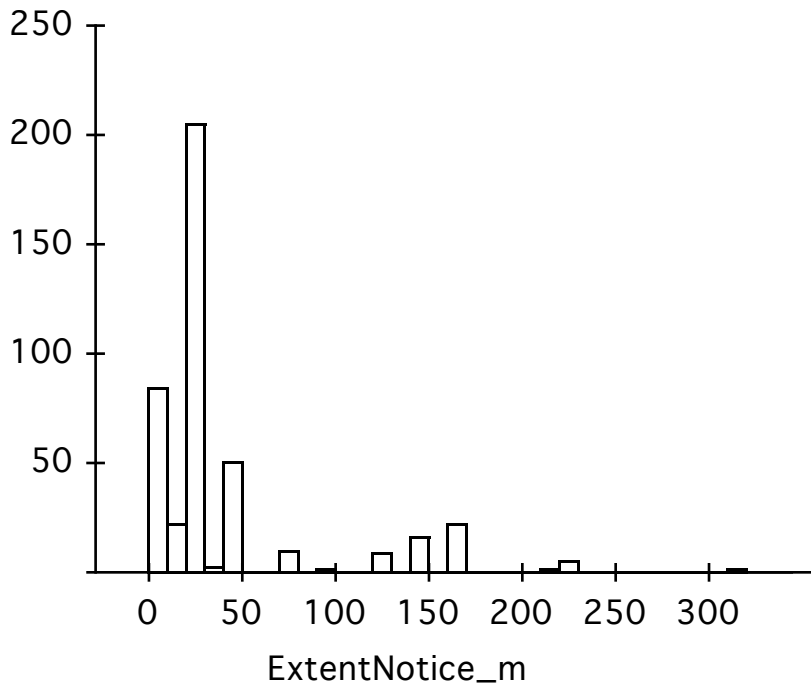
Summary of  
No Selector  
2284 total cases of which 1848 are missing

ExtentNotice\_m

Percentile 25

Total Cases	2284
Count	436
Mean	41.5298
Median	24
StdDev	52.2352
Min	0
Max	315
Lower ith %tile	23.5000
Upper ith %tile	48

---



Frequency breakdown of  
No Selector  
2284 total cases of which 1403 are missing

SecondJobQuery\_m

Total Cases 881  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
1	568	568	64.472	64.472
2	313	881	35.528	100.000

82

Frequency breakdown of  
No Selector  
2284 total cases of which 1916 are missing

SecondJobCons\_m

Total Cases 368  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	74	74	20.109	20.109
1	294	368	79.891	100.000

83

Frequency breakdown of  
No Selector  
2284 total cases of which 1328 are missing

TripLog\_m

Total Cases 956  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	298	298	31.172	31.172
1	658	956	68.828	100.000

84

<sup>82</sup> SecondJob

<sup>83</sup> SecondJobCons

<sup>84</sup> TripLog

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1382 are missing

MonitorHour\_m

Total Cases 902  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	219	219	24.279	24.279
1	683	902	75.721	100.000

85

Summary of  
 No Selector  
 2284 total cases of which 1399 are missing

MinimumAge\_m

Percentile 25

Total Cases 2284  
 Count 885  
 Mean 26.6621  
 Median 27  
 StdDev 2.61478  
 Min 20  
 Max 36  
 Lower ith %tile 25  
 Upper ith %tile 30

86

<sup>85</sup> MonitorHour

<sup>86</sup> MinimumAge (continuous variable)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1399 are missing

MinimumAge\_m

Total Cases 885  
 Number of Categories 14

Group	Count	Cumulative Count	%	Cumulative %
20	1	1	0.113	0.113
21	53	54	5.989	6.102
22	2	56	0.226	6.328
24	12	68	1.356	7.684
25	328	396	37.062	44.746
26	36	432	4.068	48.814
27	194	626	21.921	70.734
28	35	661	3.955	74.689
30	209	870	23.616	98.305
31	4	874	0.452	98.757
32	2	876	0.226	98.983
33	1	877	0.113	99.096
34	1	878	0.113	99.209
36	7	885	0.791	100.000

Summary of  
 No Selector  
 2284 total cases of which 1447 are missing

YearsExpDriv\_m

Percentile 25

Total Cases	2284
Count	837
Mean	1.78136
Median	2
StdDev	1.96713
Min	0
Max	35
Skewness	7.32245
Kurtosis	103.935
StdErr	0.067994
Lower ith %tile	1
Upper ith %tile	2

87

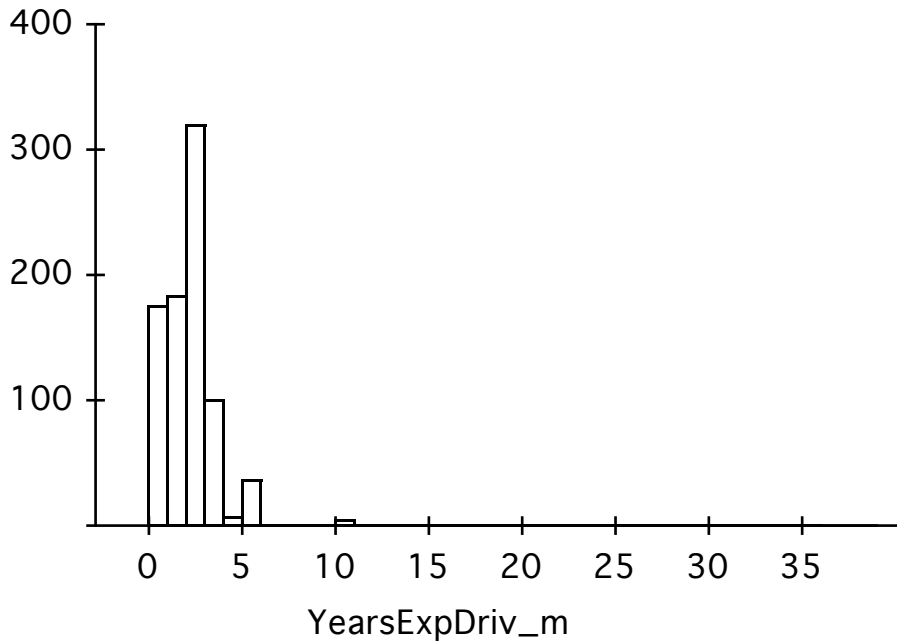
Frequency breakdown of  
 No Selector  
 2284 total cases of which 1447 are missing

YearsExpDriv\_m

Total Cases 837  
 Number of Categories 11

Group	Count	Cumulative Count	%	Cumulative %
0	175	175	20.908	20.908
1	183	358	21.864	42.772
2	321	679	38.351	81.123
3	101	780	12.067	93.190
4	8	788	0.956	94.146
5	38	826	4.540	98.686
7	2	828	0.239	98.925
10	6	834	0.717	99.642
15	1	835	0.119	99.761
17	1	836	0.119	99.881
35	1	837	0.119	100.000

<sup>87</sup> YearsExpDriv (continuous variable)



Summary of YearsExpVeh\_m  
 No Selector  
 2284 total cases of which 1459 are missing

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	825
<b>Mean</b>	1.71879
<b>Median</b>	2
<b>StdDev</b>	1.99902
<b>Min</b>	0
<b>Max</b>	35
<b>Skewness</b>	7.25511
<b>Kurtosis</b>	100.167
<b>StdErr</b>	0.069597
<b>Lower ith %tile</b>	1
<b>Upper ith %tile</b>	2

88

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<sup>88</sup> YearsExpVeh (continuous variable)

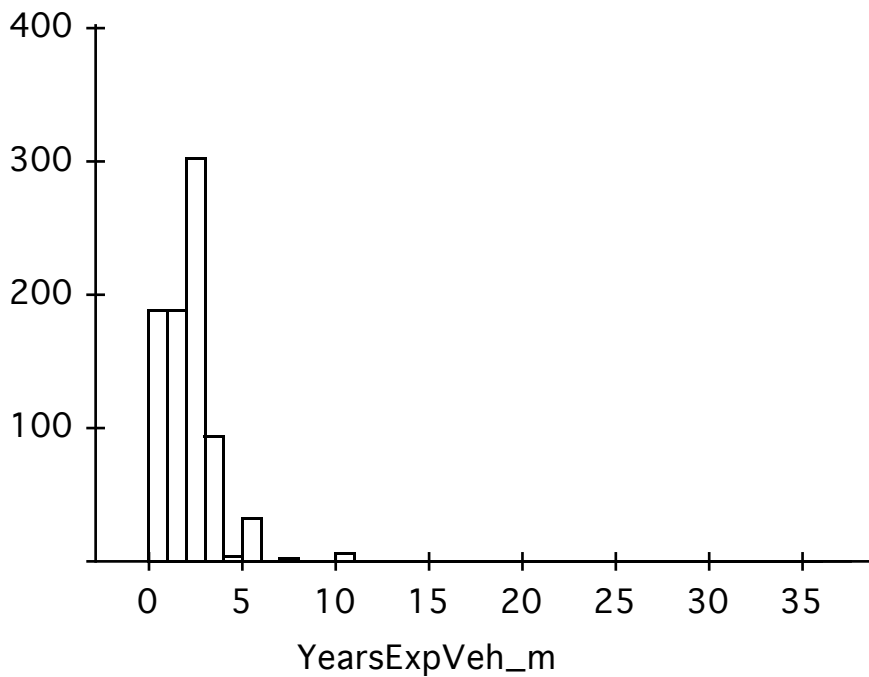


Frequency breakdown of  
 No Selector  
 2284 total cases of which 1459 are missing

YearsExpVeh\_m

Total Cases 825  
 Number of Categories 13

Group	Count	Cumulative Count	%	Cumulative %
0	188	188	22.788	22.788
1	189	377	22.909	45.697
2	303	680	36.727	82.424
3	95	775	11.515	93.939
4	5	780	0.606	94.545
5	32	812	3.879	98.424
6	1	813	0.121	98.545
7	2	815	0.242	98.788
10	6	821	0.727	99.515
11	1	822	0.121	99.636
15	1	823	0.121	99.758
17	1	824	0.121	99.879
35	1	825	0.121	100.000



Frequency breakdown of  
No Selector  
2284 total cases of which 1363 are missing

**PassedTraining\_m**

Total Cases 921  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	689	689	74.810	74.810
1	232	921	25.190	100.000

89

Frequency breakdown of  
No Selector  
2284 total cases of which 1356 are missing

**BackgroundCheck\_m**

Total Cases 928  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	97	97	10.453	10.453
1	831	928	89.547	100.000

90

Frequency breakdown of  
No Selector  
2284 total cases of which 1161 are missing

**DrivingTimeComp\_m**

Total Cases 1123  
Number of Categories 8

Group	Count	Cumulative Count	%	Cumulative %
1	353	353	31.434	31.434
2	213	566	18.967	50.401
3	40	606	3.562	53.963
4	205	811	18.255	72.217
5	17	828	1.514	73.731
7 *	13	841	1.158	74.889
8	152	993	13.535	88.424
9 *	130	1123	11.576	100.000

91

<sup>89</sup> PassedTraining

<sup>90</sup> BackgroundCheck

<sup>91</sup> DrivingTimeComp

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1304 are missing

**DrivingTimeCompD\_m**

Total Cases 980  
 Number of Categories 5

Group	Count	Cumulative Count	%	Cumulative %
Hourly	353	353	36.020	36.020
Mileage	213	566	21.735	57.755
Miscoded	57	623	5.816	63.571
Other	152	775	15.510	79.082
Percentage	205	980	20.918	100.000

92

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1473 are missing

**PayContingency(Carrier)\_m**

Total Cases 811  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	353	353	43.527	43.527
2	40	393	4.932	48.459
3	213	606	26.264	74.723
4	205	811	25.277	100.000

93

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1513 are missing

**DrivingTimeCompHourly\_m**

Total Cases 771  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	418	418	54.215	54.215
1	353	771	45.785	100.000

94

<sup>92</sup> DrivingTimeCompD  
<sup>93</sup> PayContingency(Carrier)  
<sup>94</sup> DrivingTimeCompHourly

Frequency breakdown of  
No Selector  
2284 total cases of which 1513 are missing

DrivingTimeCompMileage\_m

Total Cases 771  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	558	558	72.374	72.374
1	213	771	27.626	100.000

Frequency breakdown of  
No Selector  
2284 total cases of which 1513 are missing

DrivingTime%\_m

Total Cases 771  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	566	566	73.411	73.411
1	205	771	26.589	100.000

Frequency breakdown of  
No Selector  
2284 total cases of which 1161 are missing

LoadUnloadComp\_m

Total Cases 1123  
Number of Categories 6

Group	Count	Cumulative Count	%	Cumulative %
0	311	311	27.694	27.694
1	361	672	32.146	59.840
2	107	779	9.528	69.368
7 *	115	894	10.240	79.608
8	90	984	8.014	87.622
9 *	139	1123	12.378	100.000

95

<sup>95</sup> LoadUnloadComp

Frequency breakdown of  
 No Selector  
 1244 total cases of which 302 are missing

LoadUnloadCompD

Total Cases 942  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
Flat Rate	111	111	11.783	11.783
Hourly	395	506	41.932	53.715
No Comp	336	842	35.669	89.384
Other	100	942	10.616	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1415 are missing

LoadUnloadCompDummy\_m

Total Cases 869  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	311	311	35.788	35.788
1	558	869	64.212	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1161 are missing

WaitingTimeComp\_m

Total Cases 1123  
 Number of Categories 6

Group	Count	Cumulative Count	%	Cumulative %
0	323	323	28.762	28.762
1	416	739	37.044	65.806
2	60	799	5.343	71.149
7 *	96	895	8.549	79.697
8	86	981	7.658	87.355
9 *	142	1123	12.645	100.000

96

<sup>96</sup> WaitingTimeComp

Frequency breakdown of  
No Selector  
2284 total cases of which 1399 are missing

**WaitTimeCompD**

Total Cases 885  
Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
Flat Rate	60	60	6.780	6.780
Hourly	416	476	47.006	53.785
No Comp	323	799	36.497	90.282
Other	86	885	9.718	100.000

Frequency breakdown of  
No Selector  
2284 total cases of which 1485 are missing

**WaitingTimeCompDummy\_m**

Total Cases 799  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	323	323	40.426	40.426
1	476	799	59.574	100.000

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Frequency breakdown of  
No Selector  
2284 total cases of which 1161 are missing

**AdminFtnsComp\_m**

Total Cases 1123  
Number of Categories 6

Group	Count	Cumulative Count	%	Cumulative %
0	489	489	43.544	43.544
1	326	815	29.029	72.573
2	35	850	3.117	75.690
7 *	74	924	6.589	82.280
8	55	979	4.898	87.177
9 *	144	1123	12.823	100.000

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97

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<sup>97</sup> AdminFtnsComp

Frequency breakdown of  
No Selector  
2284 total cases of which 1379 are missing

**AdminFtnsCompD**

Total Cases 905  
Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
Flat Rate	35	35	3.867	3.867
Hourly	326	361	36.022	39.890
No Comp	489	850	54.033	93.923
Other	55	905	6.077	100.000

Frequency breakdown of  
No Selector  
2284 total cases of which 1434 are missing

**AdminFtnsCompDummy\_m**

Total Cases 850  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	489	489	57.529	57.529
1	361	850	42.471	100.000

Frequency breakdown of  
No Selector  
2284 total cases of which 1320 are missing

**CAIOntimePerformance\_m**

Total Cases 964  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	902	902	93.568	93.568
1	62	964	6.432	100.000

98

<sup>98</sup> CAIOntimePerformance

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1319 are missing

CAISafetyBonus\_m

Total Cases 965  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	648	648	67.150	67.150
1	317	965	32.850	100.000

99

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1326 are missing

OtherSpecialPayment\_m

Total Cases 958  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	801	801	83.612	83.612
1	157	958	16.388	100.000

100

Summary of  
 No Selector  
 2284 total cases of which 1382 are missing

LengthEmployed\_m

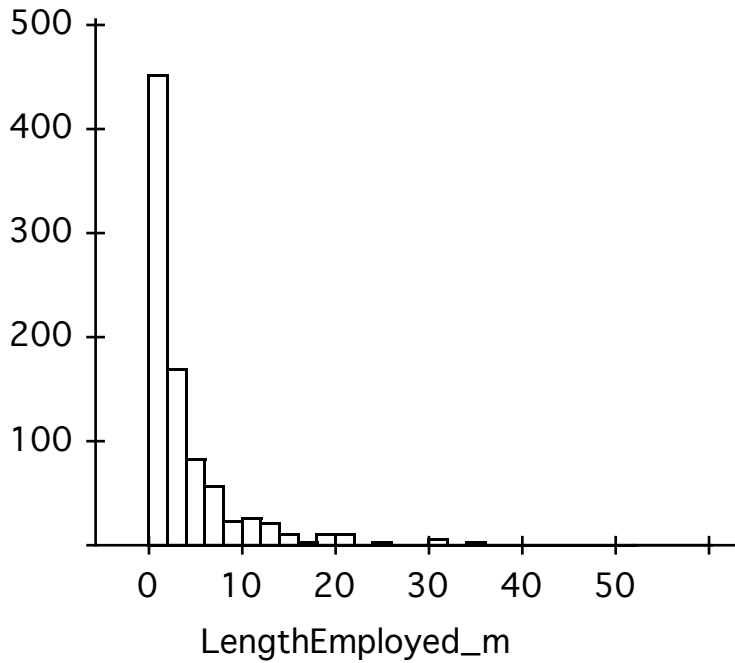
Percentile 25

Total Cases	2284
Count	902
Mean	4.07058
Median	1.91667
StdDev	6.07069
Min	0.083333
Max	50
Lower ith %tile	0.500000
Upper ith %tile	5

<sup>99</sup> CAISafetyBonus

<sup>100</sup> OtherSpecialPayment





101

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1376 are missing

**SecondJob\_m**

**Total Cases** 908  
**Number of Categories** 2

Group	Count	Cumulative Count	%	Cumulative %
0	891	891	98.128	98.128
1	17	908	1.872	100.000

102

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<sup>101</sup> LengthEmployed

<sup>102</sup> SecondJob

Summary of  
 No Selector  
 2284 total cases of which 2275 are missing

HrsWkd7Days\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	9
<b>Mean</b>	20.8889
<b>Median</b>	20
<b>StdDev</b>	11.9420
<b>Min</b>	7
<b>Max</b>	45
<b>Lower ith %tile</b>	11.5000
<b>Upper ith %tile</b>	28.5000

103

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1331 are missing

TripType\_m

<b>Total Cases</b>	953
<b>Number of Categories</b>	3

Group	Count	Cumulative Count	%	Cumulative %
<8 hours advance notice	66	66	6.925	6.925
>8 hours advance notice	18	84	1.889	8.814
Scheduled	869	953	91.186	100.000

104

Frequency breakdown of  
 No Selector  
 1244 total cases of which 185 are missing

TripTypeDummy

<b>Total Cases</b>	1059
<b>Number of Categories</b>	2

Group	Count	Cumulative Count	%	Cumulative %
Scheduled	967	967	91.313	91.313
Unscheduled	92	1059	8.687	100.000

105

<sup>103</sup> HrsWkd7Days (continuous variable)

<sup>104</sup> TripType

<sup>105</sup> IntendedDuration (continuous variable)

Frequency breakdown of  
No Selector  
2284 total cases of which 1351 are missing

Logged\_m

Total Cases 933  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	343	343	36.763	36.763
1	590	933	63.237	100.000

106

Frequency breakdown of  
No Selector  
2284 total cases of which 1161 are missing

PaymentMethod\_m

Total Cases 1123  
Number of Categories 8

Group	Count	Cumulative Count	%	Cumulative %
1	357	357	31.790	31.790
2	224	581	19.947	51.736
3 *	26	607	2.315	54.052
4	219	826	19.501	73.553
5 *	5	831	0.445	73.998
7 *	30	861	2.671	76.670
8	131	992	11.665	88.335
9 *	131	1123	11.665	100.000

107

<sup>106</sup> The variable from which this is drawn is "LogExcept", which is not very descriptive of the concept. So I named the derived variable "Logged" and 1 = logged and 0 = not logged ("exempt from log regulations").

<sup>107</sup> PaymentMethod

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1161 are missing

PaymentMethodD\_m

Total Cases 1123  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
Hourly	357	357	31.790	31.790
Mileage	224	581	19.947	51.736
Percentage	219	800	19.501	71.238
Undetermined	323	1123	28.762	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1484 are missing

PayMethodThisTrip\_m

Total Cases 800  
 Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
1	357	357	44.625	44.625
2	224	581	28.000	72.625
3	219	800	27.375	100.000

108

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1353 are missing

HourlyPayThisTrip\_m

Total Cases 931  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	574	574	61.654	61.654
1	357	931	38.346	100.000

<sup>108</sup> PayMethodThisTrip\_m

Frequency breakdown of  
No Selector  
2284 total cases of which 1484 are missing

MileagePayThisTrip\_m

Total Cases 800  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	576	576	72.000	72.000
1	224	800	28.000	100.000

Frequency breakdown of  
No Selector  
2284 total cases of which 1353 are missing

%PayThisTrip\_m

Total Cases 931  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	712	712	76.477	76.477
1	219	931	23.523	100.000

Frequency breakdown of  
No Selector  
2284 total cases of which 1161 are missing

DriverLoad\_m

Total Cases 1123  
Number of Categories 6

Group	Count	Cumulative Count	%	Cumulative %
1	130	130	11.576	11.576
2	79	209	7.035	18.611
3	82	291	7.302	25.913
4	623	914	55.476	81.389
7 *	54	968	4.809	86.198
9 *	155	1123	13.802	100.000

109

<sup>109</sup> DriverLoad

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1370 are missing

**DriverLoadUnload\_m**

**Total Cases** 914  
**Number of Categories** 4

Group	Count	Cumulative Count	%	Cumulative %
Did Not Load Or Unload	623	623	68.162	68.162
Loaded	130	753	14.223	82.385
Loaded & Unloaded	82	835	8.972	91.357
Unloaded	79	914	8.643	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1370 are missing

**DriverLoadUnloadThisTrip\_m**

**Total Cases** 914  
**Number of Categories** 4

Group	Count	Cumulative Count	%	Cumulative %
Did Not Load Or Unload	623	623	68.162	68.162
Loaded	130	753	14.223	82.385
Loaded & Unloaded	82	835	8.972	91.357
Unloaded	79	914	8.643	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1370 are missing

**DriverLoadThisTrip\_m**

**Total Cases** 914  
**Number of Categories** 2

Group	Count	Cumulative Count	%	Cumulative %
0	784	784	85.777	85.777
1	130	914	14.223	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1370 are missing

DriverUnloadThisTrip\_m

Total Cases 914  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	835	835	91.357	91.357
1	79	914	8.643	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1370 are missing

DriverLoad&UnloadThisTrip\_m

Total Cases 914  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	832	832	91.028	91.028
1	82	914	8.972	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1370 are missing

DriverNeitherLoadedNorUnloadedThisTrip

Total Cases 914  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	291	291	31.838	31.838
1	623	914	68.162	100.000

Frequency breakdown of  
No Selector  
2284 total cases of which 1161 are missing

CompensatedLoad\_m

Total Cases 1123  
Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	219	219	19.501	19.501
2	61	280	5.432	24.933
8 8 *	9	289	0.801	25.735
9 9 *	834	1123	74.265	100.000

110

Frequency breakdown of  
No Selector  
2284 total cases of which 2004 are missing

CompensatedLoadUnloadThisTrip\_m

Total Cases 280  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	61	61	21.786	21.786
1	219	280	78.214	100.000

Frequency breakdown of  
No Selector  
2284 total cases of which 1161 are missing

WaitLoad\_m

Total Cases 1123  
Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	178	178	15.850	15.850
2	644	822	57.346	73.197
8 8 *	110	932	9.795	82.992
9 9 *	191	1123	17.008	100.000

111

<sup>110</sup> CompensatedLoad

<sup>111</sup> WaitLoad



Frequency breakdown of  
 No Selector  
 2284 total cases of which 1462 are missing

WaitLoadThisTrip\_m

Total Cases 822  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	644	644	78.345	78.345
1	178	822	21.655	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1161 are missing

CompensatedWait\_m

Total Cases 1123  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	146	146	13.001	13.001
2	142	288	12.645	25.646
8 8 *	675	963	60.107	85.752
9 9 *	160	1123	14.248	100.000

112

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1996 are missing

CompensatedWaitThisTrip\_m

Total Cases 288  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	142	142	49.306	49.306
1	146	288	50.694	100.000

<sup>112</sup> CompensatedWait

Frequency breakdown of CAIOnSchedule\_m  
 No Selector  
 2284 total cases of which 1161 are missing

Total Cases		1123			
Number of Categories		4			
Group	Count	Cumulative Count	%	Cumulative %	
1	810	810	72.128	72.128	
2	24	834	2.137	74.265	
8 8 *	138	972	12.289	86.554	
9 9 *	151	1123	13.446	100.000	113

Frequency breakdown of OnSchedule\_m  
 No Selector  
 2284 total cases of which 1450 are missing

Total Cases		834			
Number of Categories		2			
Group	Count	Cumulative Count	%	Cumulative %	
0	24	24	2.878	2.878	
1	810	834	97.122	100.000	

Frequency breakdown of DelayReason\_m  
 No Selector  
 2284 total cases of which 1161 are missing

Total Cases		1123			
Number of Categories		6			
Group	Count	Cumulative Count	%	Cumulative %	
1	4	4	0.356	0.356	
2	1	5	0.089	0.445	
3	4	9	0.356	0.801	
7 *	951	960	84.684	85.485	
8	12	972	1.069	86.554	
9 *	151	1123	13.446	100.000	114

<sup>113</sup> CAIOnSchedule

<sup>114</sup> DelayReason

Frequency breakdown of  
 No Selector  
 2284 total cases of which 2263 are missing

DelayReasonD\_m

Total Cases 21  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
Loading Delay	1	1	4.762	4.762
On Schedule	4	5	19.048	23.810
Other	12	17	57.143	80.952
Unloading Delay	4	21	19.048	100.000

Summary of  
 No Selector  
 2284 total cases of which 1453 are missing

CAIHrsOnDuty\_m

Percentile 25

Total Cases	2284
Count	831
Mean	4.74972
Median	4
StdDev	3.10304
Min	0.100000
Max	15
Lower ith %tile	2
Upper ith %tile	7

115

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<sup>115</sup> CAIHoursOnDuty (continuous variable)

Summary of  
 No Selector  
 2284 total cases of which 1474 are missing

HrsPriorDay\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	810
<b>Mean</b>	6.54959
<b>Median</b>	8
<b>StdDev</b>	4.18053
<b>Min</b>	0
<b>Max</b>	17.3000
<b>Lower ith %tile</b>	2
<b>Upper ith %tile</b>	10

116

Summary of  
 No Selector  
 2284 total cases of which 1477 are missing

LongestDay7DaysHrs\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	807
<b>Mean</b>	10.2354
<b>Median</b>	10
<b>StdDev</b>	2.24591
<b>Min</b>	0
<b>Max</b>	20
<b>Lower ith %tile</b>	9
<b>Upper ith %tile</b>	11.4625

117

<sup>116</sup> HrsPriorDay (continuous variable)

<sup>117</sup> LongestDay7Days (continuous variable)

Summary of  
No Selector  
2284 total cases of which 1490 are missing

**ShortestDay7Days\_m**

Percentile 25

Total Cases	2284
Count	794
Mean	6.47624
Median	7
StdDev	2.58458
Min	0
Max	14.5000
Lower ith %tile	4.91667
Upper ith %tile	8

118

---

Summary of  
No Selector  
2284 total cases of which 1488 are missing

**AverageDay7Days\_m**

Percentile 25

Total Cases	2284
Count	796
Mean	8.43855
Median	8
StdDev	1.85492
Min	0
Max	14.5000
Lower ith %tile	8
Upper ith %tile	10

119

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<sup>118</sup> ShortestDay7Days (continuous variable)

<sup>119</sup> AverageDay (continuous variable)

Summary of  
No Selector  
2284 total cases of which 1521 are missing

TotalHrs7Days\_m

Percentile 25

Total Cases	2284
Count	763
Mean	42.9335
Median	44
StdDev	13.9229
Min	0
Max	105.300
Lower ith %tile	38
Upper ith %tile	52

120

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<sup>120</sup> TotalHrs7Days (continuous variable)

## IntvwDrDriver

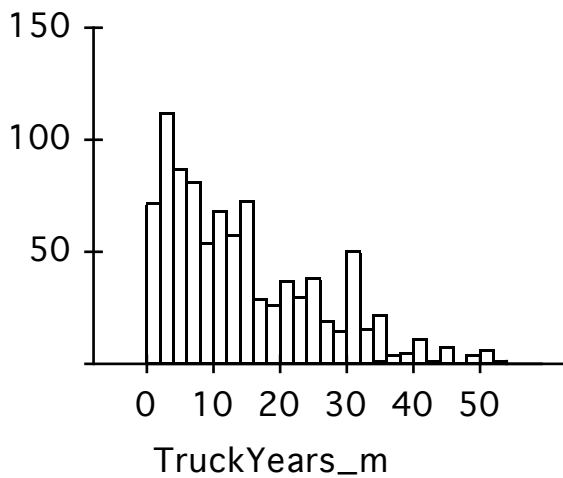
Summary of  
No Selector  
2284 total cases of which 1346 are missing

TruckYears\_m

Percentile 25

Total Cases	2284
Count	938
Mean	14.0629
Median	11
StdDev	11.4926
Min	0
Max	53
Lower ith %tile	5
Upper ith %tile	22

121



<sup>121</sup> TruckYears (continuous variable)

Summary of  
No Selector  
2284 total cases of which 1347 are missing

ClassYears\_m

Percentile 25

Total Cases	2284
Count	937
Mean	12.1676
Median	9
StdDev	10.9921
Min	0
Max	53
Lower ith %tile	3
Upper ith %tile	18

122

Summary of  
No Selector  
2284 total cases of which 1736 are missing

TimeSinceTrainingInYears\_m

Percentile 25

Total Cases	2284
Count	548
Mean	10.3982
Median	6.99521
StdDev	10.1247
Min	0
Max	65.9548
Lower ith %tile	2.57358
Upper ith %tile	14.9897

123

---

<sup>122</sup> ClassYears (continuous variable)

<sup>123</sup> TimeSinceTraining (continuous variable in "years/months" form; converted)



Frequency breakdown of  
 No Selector  
 2284 total cases of which 1540 are missing

CMVCitations\_m

Total Cases 744  
 Number of Categories 11

Group	Count	Cumulative Count	%	Cumulative %
0	389	389	52.285	52.285
1	220	609	29.570	81.855
2	79	688	10.618	92.473
3	30	718	4.032	96.505
4	12	730	1.613	98.118
5	6	736	0.806	98.925
6	2	738	0.269	99.194
7	1	739	0.134	99.328
8	1	740	0.134	99.462
10	3	743	0.403	99.866
20	1	744	0.134	100.000

124

Summary of  
 No Selector  
 2284 total cases of which 1540 are missing

CMVCitations\_m

Percentile 25

Total Cases	2284
Count	744
Mean	0.837366
Median	0
StdDev	1.42621
Min	0
Max	20
Lower ith %tile	0
Upper ith %tile	1

<sup>124</sup> CMVCitations (continuous variable)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1138 are missing

MovingCitations\_m

Total Cases 1146  
 Number of Categories 9

Group	Count	Cumulative Count	%	Cumulative %
0	594	594	51.832	51.832
1	373	967	32.548	84.380
2	117	1084	10.209	94.590
3	37	1121	3.229	97.818
4	13	1134	1.134	98.953
5	6	1140	0.524	99.476
6	3	1143	0.262	99.738
7	1	1144	0.087	99.825
10	2	1146	0.175	100.000

125

Summary of  
 No Selector  
 2284 total cases of which 1138 are missing

MovingCitations\_m

Percentile 25

Total Cases	2284
Count	1146
Mean	0.737347
Median	0
StdDev	1.05149
Min	0
Max	10
Lower ith %tile	0
Upper ith %tile	1

<sup>125</sup> MovingCitations (continuous variable)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1589 are missing

CommCrashes\_m

Total Cases 695  
 Number of Categories 6

Group	Count	Cumulative Count	%	Cumulative %
0	467	467	67.194	67.194
1	181	648	26.043	93.237
2	36	684	5.180	98.417
3	8	692	1.151	99.568
4	2	694	0.288	99.856
5	1	695	0.144	100.000

126

Summary of  
 No Selector  
 2284 total cases of which 1589 are missing

CommCrashes\_m

Percentile 25

Total Cases	2284
Count	695
Mean	0.417266
Median	0
StdDev	0.692688
Min	0
Max	5
Lower ith %tile	0
Upper ith %tile	1

<sup>126</sup> CommCrashes (continuous variable)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1208 are missing

NonCommCrashes\_m

Total Cases 1076  
 Number of Categories 5

Group	Count	Cumulative Count	%	Cumulative %
0	820	820	76.208	76.208
1	215	1035	19.981	96.190
2	30	1065	2.788	98.978
3	8	1073	0.743	99.721
4	3	1076	0.279	100.000

127

Summary of  
 No Selector  
 2284 total cases of which 1208 are missing

NonCommCrashes\_m

Percentile 25

Total Cases	2284
Count	1076
Mean	0.289033
Median	0
StdDev	0.582784
Min	0
Max	4
Lower ith %tile	0
Upper ith %tile	0

<sup>127</sup> NonCommCrashes (continuous variable)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 658 are missing

**TripPayment\_m**

Total Cases 1626  
 Number of Categories 8

Group	Count	Cumulative Count	%	Cumulative %
1	204	204	12.546	12.546
2	329	533	20.234	32.780
3	212	745	13.038	45.818
4 *	125	870	7.688	53.506
5	46	916	2.829	56.335
4 4 *	20	936	1.230	57.565
8 8 *	20	956	1.230	58.795
9 9 *	670	1626	41.205	100.000

128

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1493 are missing

**DrivePayThisTrip\_m**

Total Cases 791  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
By the load	46	46	5.815	5.815
Hourly	329	375	41.593	47.408
Mileage	212	587	26.802	74.210
Percentage	204	791	25.790	100.000

129

<sup>128</sup> TripPayment

<sup>129</sup> DrivePayThisTripTxt

Frequency breakdown of  
No Selector  
2284 total cases of which 1493 are missing

**DrivePayThisTrip**

Total Cases 791  
Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
1	329	329	41.593	41.593
2	212	541	26.802	68.394
3	250	791	31.606	100.000

130

Frequency breakdown of  
No Selector  
2284 total cases of which 1348 are missing

**MileagePayThisTrip(Driver)\_m**

Total Cases 936  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	724	724	77.350	77.350
1	212	936	22.650	100.000

131

Frequency breakdown of  
No Selector  
2284 total cases of which 1493 are missing

**HourlyPay\_m**

Total Cases 791  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	462	462	58.407	58.407
1	329	791	41.593	100.000

132

<sup>130</sup> DrivePayThisTrip (1=hourly; 2=mileage; 3= percentage and “by the trip”)

<sup>131</sup> MileagePayThisTrip (Driver)

<sup>132</sup> HourlyPay [this trip; 1=Hourly, 0=any other method]

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1758 are missing

**PayContingency(Driver)\_m**

Total Cases 526  
 Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
1	208	208	39.544	39.544
2	157	365	29.848	69.392
3	161	526	30.608	100.000

133

Frequency breakdown of  
 No Selector  
 2284 total cases of which 815 are missing

**Moonlight\_m**

Total Cases 1469  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1412	1412	96.120	96.120
1	57	1469	3.880	100.000

134

Frequency breakdown of  
 No Selector  
 2284 total cases of which 2228 are missing

**ReportMoonlight\_m**

Total Cases 56  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	34	34	60.714	60.714
1	22	56	39.286	100.000

135

<sup>133</sup> PayContingency(Driver)

<sup>134</sup> Moonlight

<sup>135</sup> ReportMoonlight

Frequency breakdown of  
 No Selector  
 2284 total cases of which 2233 are missing

HoursPreceding7Days

Total Cases 51  
 Number of Categories 27

Group	Count	Cumulative	Count	%	Cumulative %
0	8	8		15.686	15.686
2	1	9		1.961	17.647
5	2	11		3.922	21.569
6	1	12		1.961	23.529
7	1	13		1.961	25.490
8	2	15		3.922	29.412
10	2	17		3.922	33.333
11	1	18		1.961	35.294
12	1	19		1.961	37.255
14	2	21		3.922	41.176
15	1	22		1.961	43.137
16	3	25		5.882	49.020
18	1	26		1.961	50.980
20	7	33		13.725	64.706
25	1	34		1.961	66.667
30	3	37		5.882	72.549
32	2	39		3.922	76.471
33	1	40		1.961	78.431
35	1	41		1.961	80.392
38	1	42		1.961	82.353
40	3	45		5.882	88.235
45	1	46		1.961	90.196
50	1	47		1.961	92.157
54	1	48		1.961	94.118
56	1	49		1.961	96.078
60	1	50		1.961	98.039
65	1	51		1.961	100.000

136

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<sup>136</sup> HoursPreceding7Days (continuous variable)



Summary of  
No Selector  
2284 total cases of which 2233 are missing

HoursPrecedingSeven\_m

Percentile 25

Total Cases	2284
Count	51
Mean	20.9412
Median	18
StdDev	17.4407
Min	0
Max	65
Lower ith %tile	7.25000
Upper ith %tile	32

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Summary of  
No Selector  
2284 total cases of which 2238 are missing

HoursTypicalSeven\_m

Percentile 25

Total Cases	2284
Count	46
Mean	22.2174
Median	20
StdDev	13.2059
Min	2
Max	54
Lower ith %tile	11
Upper ith %tile	30

---

Frequency breakdown of  
 No Selector  
 2284 total cases of which 2238 are missing

HoursTypicalSeven\_m

Total Cases 46  
 Number of Categories 25

Group	Count	Cumulative Count	%	Cumulative %
2	1	1	2.174	2.174
5	3	4	6.522	8.696
6	1	5	2.174	10.870
8	2	7	4.348	15.217
10	4	11	8.696	23.913
11	1	12	2.174	26.087
12	1	13	2.174	28.261
14	2	15	4.348	32.609
15	1	16	2.174	34.783
16	2	18	4.348	39.130
18	1	19	2.174	41.304
20	9	28	19.565	60.870
24	1	29	2.174	63.043
25	2	31	4.348	67.391
28	1	32	2.174	69.565
30	3	35	6.522	76.087
32	1	36	2.174	78.261
35	1	37	2.174	80.435
36	1	38	2.174	82.609
38	1	39	2.174	84.783
40	3	42	6.522	91.304
43	1	43	2.174	93.478
45	1	44	2.174	95.652
52	1	45	2.174	97.826
54	1	46	2.174	100.000

137

<sup>137</sup> HoursTypicalSeven (continuous variable)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 658 are missing

**IDROnTimePerformance\_m**

Total Cases 1626  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1595	1595	98.093	98.093
1	31	1626	1.907	100.000

138

Frequency breakdown of  
 No Selector  
 2284 total cases of which 658 are missing

**IDRSafetyBonus\_m**

Total Cases 1626  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1459	1459	89.729	89.729
1	167	1626	10.271	100.000

139

Frequency breakdown of  
 No Selector  
 2284 total cases of which 658 are missing

**OtherPayment\_m**

Total Cases 1626  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1554	1554	95.572	95.572
1	72	1626	4.428	100.000

140

<sup>138</sup> IDROnTimePerformance

<sup>139</sup> IDRSafetyBonus

<sup>140</sup> OtherPayment

## IntvwDrFatigueF

Frequency breakdown of **OverHours\_m**  
 No Selector  
 2284 total cases of which 658 are missing

	<b>Total Cases</b>	1626			
	<b>Number of Categories</b>	5			

Group	Count	Cumulative Count	%	Cumulative %	
1	16	16	0.984	0.984	
2	660	676	40.590	41.574	
3	186	862	11.439	53.014	
8887*	81	943	4.982	57.995	
9999*	683	1626	42.005	100.000	141

Frequency breakdown of **OverHoursDm**  
 No Selector  
 2284 total cases of which 1422 are missing

	<b>Total Cases</b>	862			
	<b>Number of Categories</b>	3			

Group	Count	Cumulative Count	%	Cumulative %
Exempt	186	186	21.578	21.578
No	660	846	76.566	98.144
Yes	16	862	1.856	100.000

Frequency breakdown of **OverHrsD\_m**  
 No Selector  
 2284 total cases of which 1608 are missing

	<b>Total Cases</b>	676			
	<b>Number of Categories</b>	2			

Group	Count	Cumulative Count	%	Cumulative %
0	660	660	97.633	97.633
1	16	676	2.367	100.000

<sup>141</sup> OverHours

Frequency breakdown of OverDispatch\_m  
 No Selector  
 2284 total cases of which 658 are missing

	Total Cases	1626			
	Number of Categories	4			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
1	54	54	3.321	3.321	
2	827	881	50.861	54.182	
8 8 *	61	942	3.752	57.934	
9 9 *	684	1626	42.066	100.000	142

Frequency breakdown of OverDispatchD\_m  
 No Selector  
 2284 total cases of which 1403 are missing

	Total Cases	881			
	Number of Categories	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	827	827	93.871	93.871	
1	54	881	6.129	100.000	

Frequency breakdown of ThisTrip\_m  
 No Selector  
 2284 total cases of which 658 are missing

	Total Cases	1626			
	Number of Categories	4			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
1	19	19	1.169	1.169	
2	181	200	11.132	12.300	
7 *	738	938	45.387	57.688	
9 *	688	1626	42.312	100.000	143

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<sup>142</sup> OverDispatch

<sup>143</sup> ThisTrip

Frequency breakdown of **OverDispatchThisTrip\_m**  
 No Selector  
 2284 total cases of which 2084 are missing

Total Cases 200  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	181	181	90.500	90.500
1	19	200	9.500	100.000

144

Frequency breakdown of **ThreatenedOverHours\_m**  
 No Selector  
 2284 total cases of which 658 are missing

Total Cases 1626  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	11	11	0.677	0.677
2	853	864	52.460	53.137
8 8 *	80	944	4.920	58.057
9 9 *	682	1626	41.943	100.000

145

Frequency breakdown of **ThreatenedOverHrs\_m**  
 No Selector  
 2284 total cases of which 1420 are missing

Total Cases 864  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	853	853	98.727	98.727
1	11	864	1.273	100.000

<sup>144</sup> OverDispatchThisTrip (Sound Science created derived variable)

<sup>145</sup> ThreatenedOverHours

Frequency breakdown of  
 No Selector  
 2284 total cases of which 658 are missing

DisciplinedLate\_m

Total Cases 1626  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	18	18	1.107	1.107
2	839	857	51.599	52.706
8 8 *	76	933	4.674	57.380
9 9 *	693	1626	42.620	100.000

146

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1427 are missing

DisciplinedLateD\_m

Total Cases 857  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	839	839	97.900	97.900
1	18	857	2.100	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 658 are missing

OnCallThisTrip\_m

Total Cases 1626  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	121	121	7.442	7.442
2	1280	1401	78.721	86.162
8 8 *	8	1409	0.492	86.654
9 9 *	217	1626	13.346	100.000

147

<sup>146</sup> DisciplinedLate

<sup>147</sup> OnCallThisTrip

Frequency breakdown of  
 No Selector  
 2284 total cases of which 883 are missing

OnCallThisTripD\_m

Total Cases 1401  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1280	1280	91.363	91.363
1	121	1401	8.637	100.000

Summary of  
 No Selector  
 2284 total cases of which 2174 are missing

ADVNoticeD\_m

Percentile 25

Total Cases	2284
Count	110
Mean	19.9077
Median	12.5000
StdDev	24.4347
Min	0
Max	144
Lower ith %tile	3
Upper ith %tile	24



Frequency breakdown of  
 No Selector  
 2284 total cases of which 2174 are missing

ADVNoticeD\_m

Total Cases 110  
 Number of Categories 31

Group	Count	Cumulative Count	%	Cumulative %
0	3	3	2.727	2.727
0.30000000	1	4	0.909	3.636
0.41666667	1	5	0.909	4.545
0.50000000	1	6	0.909	5.455
0.75000000	1	7	0.909	6.364
0.83333333	1	8	0.909	7.273
1	7	15	6.364	13.636
1.5000000	1	16	0.909	14.545
2	10	26	9.091	23.636
3	3	29	2.727	26.364
4.2500000	1	30	0.909	27.273
5	4	34	3.636	30.909
6	3	37	2.727	33.636
6.5000000	1	38	0.909	34.545
8	5	43	4.545	39.091
8.5000000	2	45	1.818	40.909
9	1	46	0.909	41.818
10	1	47	0.909	42.727
11	2	49	1.818	44.545
12	6	55	5.455	50.000
13	1	56	0.909	50.909
14	5	61	4.545	55.455
16.800000	1	62	0.909	56.364
18	2	64	1.818	58.182
24	29	93	26.364	84.545
31	1	94	0.909	85.455
36	1	95	0.909	86.364
48	7	102	6.364	92.727
60	2	104	1.818	94.545
72	4	108	3.636	98.182
144	2	110	1.818	100.000

148

<sup>148</sup> ADVNotice (continuous variable)

Frequency breakdown of **SleepInterrupted\_m**  
 No Selector  
 2284 total cases of which 658 are missing

Total Cases 1626  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	3	3	0.185	0.185
2	114	117	7.011	7.196
7 *	1279	1396	78.659	85.855
9 *	230	1626	14.145	100.000

149

Frequency breakdown of **SleepInterruptedD\_m**  
 No Selector  
 2284 total cases of which 2167 are missing

Total Cases 117  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	114	114	97.436	97.436
1	3	117	2.564	100.000

Frequency breakdown of **Loading\_m**  
 No Selector  
 2284 total cases of which 658 are missing

Total Cases 1626  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	223	223	13.715	13.715
2	682	905	41.943	55.658
8 8 *	54	959	3.321	58.979
9 9 *	667	1626	41.021	100.000

150

<sup>149</sup> SleepInterrupted

<sup>150</sup> Loading

Frequency breakdown of LoadingD\_m  
 No Selector  
 2284 total cases of which 1379 are missing

	<b>Total Cases</b>	905			
	<b>Number of Categories</b>	2			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
0	682	682	75.359	75.359	
1	223	905	24.641	100.000	

---

Frequency breakdown of LoadType\_m  
 No Selector  
 2284 total cases of which 658 are missing

	<b>Total Cases</b>	1626			
	<b>Number of Categories</b>	5			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
1	56	56	3.444	3.444	
2	47	103	2.891	6.335	
4	125	228	7.688	14.022	
8887*	702	930	43.173	57.196	
9999*	696	1626	42.804	100.000	151

---

Frequency breakdown of LoadTypeD\_m  
 No Selector  
 2284 total cases of which 2056 are missing

	<b>Total Cases</b>	228			
	<b>Number of Categories</b>	3			
<b>Group</b>	<b>Count</b>	<b>Cumulative Count</b>	<b>%</b>	<b>Cumulative %</b>	
Floor Load	56	56	24.561	24.561	
Other	125	181	54.825	79.386	
Palletized Load	47	228	20.614	100.000	

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<sup>151</sup> LoadType

Frequency breakdown of  
No Selector  
2284 total cases of which 658 are missing

**EffortType\_m**

Total Cases 1626  
Number of Categories 7

Group	Count	Cumulative Count	%	Cumulative %
1	74	74	4.551	4.551
2	17	91	1.046	5.597
3	17	108	1.046	6.642
4	23	131	1.415	8.057
6	82	213	5.043	13.100
8 8 *	714	927	43.911	57.011
9 9 *	699	1626	42.989	100.000

152

Frequency breakdown of  
No Selector  
2284 total cases of which 2071 are missing

**EffortTypeD\_m**

Total Cases 213  
Number of Categories 5

Group	Count	Cumulative Count	%	Cumulative %
Dolly	17	17	7.981	7.981
Fork lift	23	40	10.798	18.779
Manual	74	114	34.742	53.521
Other	82	196	38.498	92.019
Pallet jack	17	213	7.981	100.000

Frequency breakdown of  
No Selector  
2284 total cases of which 2071 are missing

**Effort-Manual**

Total Cases 213  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	139	139	65.258	65.258
1	74	213	34.742	100.000

<sup>152</sup> EffortType

Frequency breakdown of Compensated\_m  
 No Selector  
 2284 total cases of which 658 are missing

Total Cases 1626  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	169	169	10.394	10.394
2	49	218	3.014	13.407
8 8 *	717	935	44.096	57.503
9 9 *	691	1626	42.497	100.000

153

Frequency breakdown of CompensatedD\_m  
 No Selector  
 2284 total cases of which 2066 are missing

Total Cases 218  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	49	49	22.477	22.477
1	169	218	77.523	100.000

Frequency breakdown of WaitedLoad\_m  
 No Selector  
 2284 total cases of which 658 are missing

Total Cases 1626  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	228	228	14.022	14.022
2	624	852	38.376	52.399
8 8 *	101	953	6.212	58.610
9 9 *	673	1626	41.390	100.000

154

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<sup>153</sup> Compensated

<sup>154</sup> WaitedLoad

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1432 are missing

WaitedLoadD\_m

Total Cases 852  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	624	624	73.239	73.239
1	228	852	26.761	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 658 are missing

WaitCompensated\_m

Total Cases 1626  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
1	95	95	5.843	5.843
2	128	223	7.872	13.715
8 8 *	698	921	42.927	56.642
9 9 *	705	1626	43.358	100.000

155

Frequency breakdown of  
 No Selector  
 2284 total cases of which 2061 are missing

WaitCompensatedD\_m

Total Cases 223  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	128	128	57.399	57.399
1	95	223	42.601	100.000

<sup>155</sup> WaitCompensated

Frequency breakdown of  
No Selector

WaitDelayD\_m

2284 total cases of which 2064 are missing

Total Cases 220  
Number of Categories 36

Group	Count	Cumulative Count	%	Cumulative %
0	6	6	2.727	2.727
0.083333	10	16	4.545	7.273
0.116667	1	17	0.455	7.727
0.166667	16	33	7.273	15.000
0.183333	1	34	0.455	15.455
0.216667	1	35	0.455	15.909
0.250000	24	59	10.909	26.818
0.333333	9	68	4.091	30.909
0.416667	3	71	1.364	32.273
0.500000	40	111	18.182	50.455
0.583333	2	113	0.909	51.364
0.666667	1	114	0.455	51.818
0.750000	10	124	4.545	56.364
1.66667	32	156	14.545	70.909
1.91667	1	157	0.455	71.364
2.16667	8	165	3.636	75.000
3.33333	14	179	6.364	81.364
3.50000	1	180	0.455	81.818
3.58333	1	181	0.455	82.273
3.83333	5	186	2.273	84.545
5	4	190	1.818	86.364
5.50000	2	192	0.909	87.273
6.66667	4	196	1.818	89.091
7.16667	1	197	0.455	89.545
8.33333	2	199	0.909	90.455
8.83333	1	200	0.455	90.909
10	7	207	3.182	94.091
11.6667	1	208	0.455	94.545
13.3333	2	210	0.909	95.455
15.5000	1	211	0.455	95.909
16.6667	2	213	0.909	96.818
20	3	216	1.364	98.182
24.0833	1	217	0.455	98.636
32.1667	1	218	0.455	99.091
50	1	219	0.455	99.545
126.667	1	220	0.455	100.000

156

<sup>156</sup> WaitDelay (continuous variable; converted from HHMM to hours)

Summary of  
No Selector  
2284 total cases of which 2064 are missing

WaitDelayD\_m

Percentile 25

Total Cases	2284
Count	220
Mean	3.31599
Median	0.500000
StdDev	10.0089
Min	0
Max	126.667
Lower ith %tile	0.250000
Upper ith %tile	2.75000

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## IntvwDrSleepF

Frequency breakdown of  
No Selector

LastLocation\_m

2284 total cases of which 682 are missing

Total Cases 1602  
Number of Categories 7

Group	Count	Cumulative Count	%	Cumulative %	
1	1215	1215	75.843	75.843	
2	225	1440	14.045	89.888	
3	26	1466	1.623	91.511	
4	22	1488	1.373	92.884	
3 3	13	1501	0.811	93.695	
8 8 8 7 *	4	1505	0.250	93.945	
9 9 9 9 *	97	1602	6.055	100.000	157

Frequency breakdown of  
No Selector

LastLocation\_m

2284 total cases of which 783 are missing

Total Cases 1501  
Number of Categories 5

Group	Count	Cumulative Count	%	Cumulative %
Other (specify	22	22	1.466	1.466
Motel	26	48	1.732	3.198
Residence	1215	1263	80.946	84.144
Sleeper berth (vehicle moving)	13	1276	0.866	85.010
Sleeper berth (vehicle stationary)	225	1501	14.990	100.000

<sup>157</sup> LastLocation

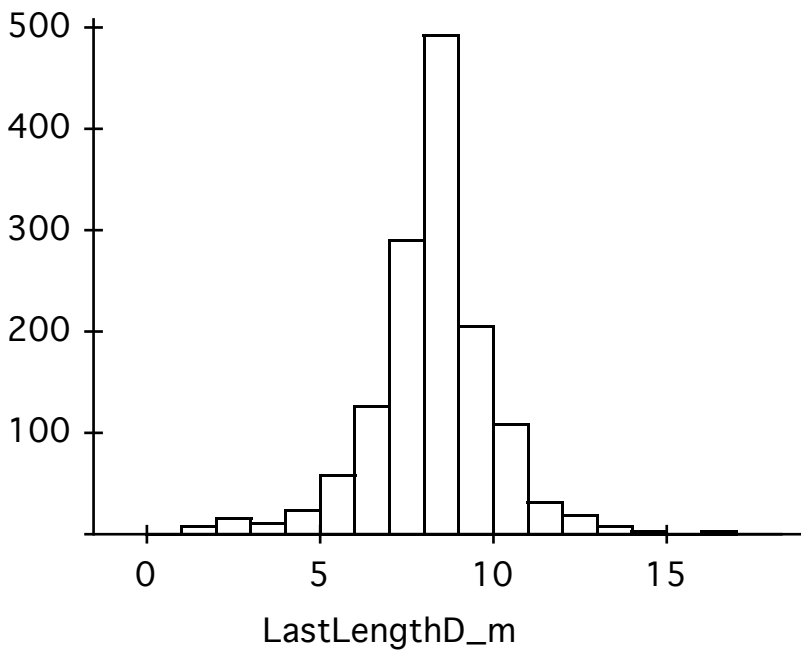
Summary of  
 No Selector  
 2284 total cases of which 870 are missing

LastLengthD\_m

Percentile 25

Total Cases	2284
Count	1414
Mean	7.92801
Median	8
StdDev	1.83351
Min	0.333333
Max	16
Lower ith %tile	7
Upper ith %tile	9

158



<sup>158</sup> LastLength (converted to hours)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 923 are missing

LastEndD\_m

Group	Count	Cumulative Count	%	Cumulative %
0	14	14	1.029	1.029
0.5000000	2	16	0.147	1.176
1	11	27	0.808	1.984
1.1666667	1	28	0.073	2.057
1.2500000	2	30	0.147	2.204
1.4166667	1	31	0.073	2.278
1.5000000	10	41	0.735	3.012
1.7500000	1	42	0.073	3.086
2	19	61	1.396	4.482
2.0333333	1	62	0.073	4.555
2.2500000	6	68	0.441	4.996
2.5000000	13	81	0.955	5.952
2.6666667	2	83	0.147	6.098
2.7500000	1	84	0.073	6.172
3	31	115	2.278	8.450
3.2500000	3	118	0.220	8.670
3.3333333	1	119	0.073	8.744
3.5000000	22	141	1.616	10.360
3.7500000	5	146	0.367	10.727
3.8333333	2	148	0.147	10.874
3.9166667	1	149	0.073	10.948
4	80	229	5.878	16.826
4.1666667	1	230	0.073	16.899
4.2500000	6	236	0.441	17.340
4.2833333	1	237	0.073	17.414
4.4166667	1	238	0.073	17.487
4.5000000	66	304	4.849	22.337
4.6666667	1	305	0.073	22.410
4.7500000	9	314	0.661	23.071
4.8333333	1	315	0.073	23.145
5	134	449	9.846	32.990
5.1666667	2	451	0.147	33.137
5.2500000	6	457	0.441	33.578
5.3333333	3	460	0.220	33.799
5.5000000	69	529	5.070	38.868
5.5833333	1	530	0.073	38.942
5.6666667	1	531	0.073	39.015
5.7500000	11	542	0.808	39.824
5.8333333	2	544	0.147	39.971
6	208	752	15.283	55.253
6.2500000	7	759	0.514	55.768
6.3333333	5	764	0.367	56.135
6.5000000	82	846	6.025	62.160
6.6666667	1	847	0.073	62.234
6.7500000	8	855	0.588	62.821
7	145	1000	10.654	73.475
7.2500000	3	1003	0.220	73.696
7.5000000	59	1062	4.335	78.031
7.7500000	2	1064	0.147	78.178
8	70	1134	5.143	83.321
8.0833333	1	1135	0.073	83.395
8.5000000	21	1156	1.543	84.938
9	28	1184	2.057	86.995
9.2500000	2	1186	0.147	87.142
9.4833333	1	1187	0.073	87.215
9.5000000	9	1196	0.661	87.877
10	20	1216	1.470	89.346
10.2500000	1	1217	0.073	89.420
10.5000000	7	1224	0.514	89.934
10.7500000	1	1225	0.073	90.007
11	12	1237	0.882	90.889
11.2500000	1	1238	0.073	90.963
11.5000000	5	1243	0.367	91.330
12	10	1253	0.735	92.065
12.016667	1	1254	0.073	92.138
12.5000000	2	1256	0.147	92.285
13	3	1259	0.220	92.506
13.5000000	1	1260	0.073	92.579
13.7500000	1	1261	0.073	92.652
14	3	1264	0.220	92.873
14.5000000	5	1269	0.367	93.240
15	7	1276	0.514	93.755
15.5000000	4	1280	0.294	94.048
15.8333333	2	1282	0.147	94.195
16	6	1288	0.441	94.636
16.5000000	2	1290	0.147	94.783
17	5	1295	0.367	95.151
18	4	1299	0.294	95.445
18.5000000	4	1303	0.294	95.738
19	11	1314	0.808	96.547
19.5000000	4	1318	0.294	96.841
20	6	1324	0.441	97.281
20.5000000	2	1326	0.147	97.428
21	5	1331	0.367	97.796
21.5000000	3	1334	0.220	98.016
22	10	1344	0.735	98.751
22.2500000	2	1346	0.147	98.898
22.5000000	4	1350	0.294	99.192
22.7500000	1	1351	0.073	99.265
23	5	1356	0.367	99.633
23.2500000	2	1358	0.147	99.780
23.5000000	3	1361	0.220	100.000

Summary of  
No Selector  
2284 total cases of which 923 are missing

LastEndD\_m

Percentile 25

Total Cases	2284
Count	1361
Mean	6.89553
Median	6
StdDev	4.05931
Min	0
Max	23.5000
Lower ith %tile	5
Upper ith %tile	7.50000

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Summary of  
No Selector  
2284 total cases of which 941 are missing

LastSinceD\_m

Percentile 25

Total Cases	2284
Count	1343
Mean	6.53950
Median	6
StdDev	4.48429
Min	0
Max	48
Lower ith %tile	3
Upper ith %tile	9

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159

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<sup>159</sup> LastSinceD\_m (converted to hours)

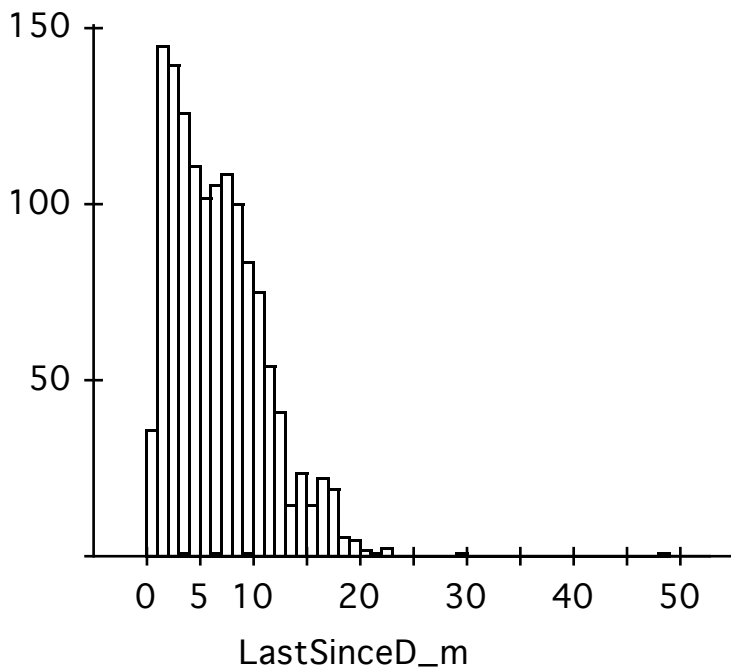
Summary of cases selected according to 2284 total cases of which 1482 are missing

LastSinceD\_m  
GVE CDL Truck\_m

Percentile 25

Total Cases	2284
Count	802
Mean	6.87315
Median	6.40833
StdDev	4.42771
Min	0.083333
Max	48
Lower ith %tile	3.50000
Upper ith %tile	9.33333

---



Frequency breakdown of **Less4Location\_m**  
 No Selector  
 2284 total cases of which 2236 are missing

**Total Cases** 48  
**Number of Categories** 4

Group	Count	Cumulative	Count	%	Cumulative %	
Motel	1	1		2.083	2.083	
Other (specify	3	4		6.250	8.333	
Residence	31	35		64.583	72.917	
Sleeper berth (vehicle stationary)	13	48		27.083	100.000	160

Frequency breakdown of **Less4LengthD\_m**  
 No Selector  
 2284 total cases of which 2244 are missing

**Total Cases** 40  
**Number of Categories** 14

Group	Count	Cumulative	Count	%	Cumulative %	
2	1	1		2.500	2.500	
2.5000000	1	2		2.500	5.000	
3	2	4		5.000	10.000	
4	4	8		10.000	20.000	
5	5	13		12.500	32.500	
6	4	17		10.000	42.500	
6.5000000	1	18		2.500	45.000	
7.5000000	4	22		10.000	55.000	
8	6	28		15.000	70.000	
8.7500000	1	29		2.500	72.500	
9	3	32		7.500	80.000	
10	5	37		12.500	92.500	
11	1	38		2.500	95.000	
12	2	40		5.000	100.000	161

<sup>160</sup> Less4Location

<sup>161</sup> Less4Length (converted to hours)

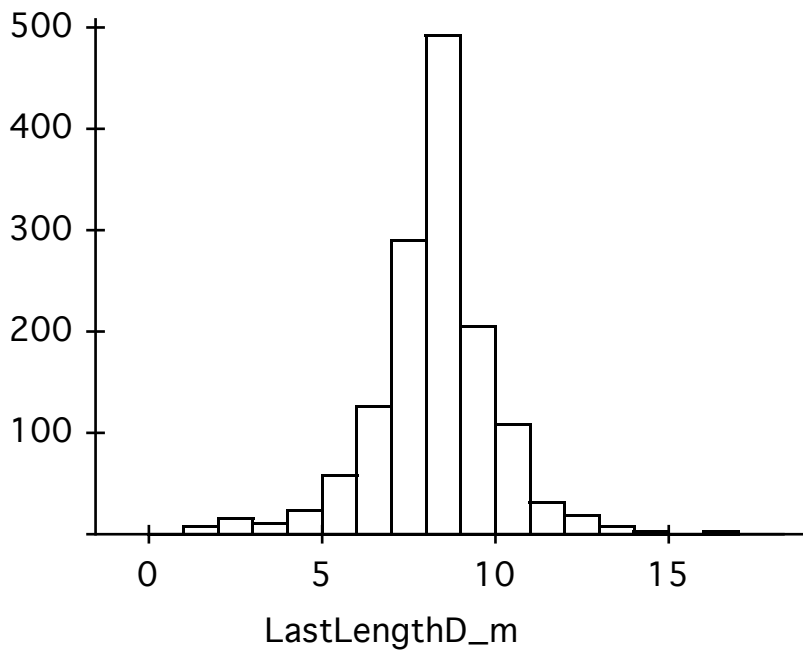
Summary of  
No Selector  
2284 total cases of which 2244 are missing

Less4LengthD\_m

Percentile 25

Total Cases	2284
Count	40
Mean	7.01875
Median	7.50000
StdDev	2.63384
Min	2
Max	12
Lower ith %tile	5
Upper ith %tile	9

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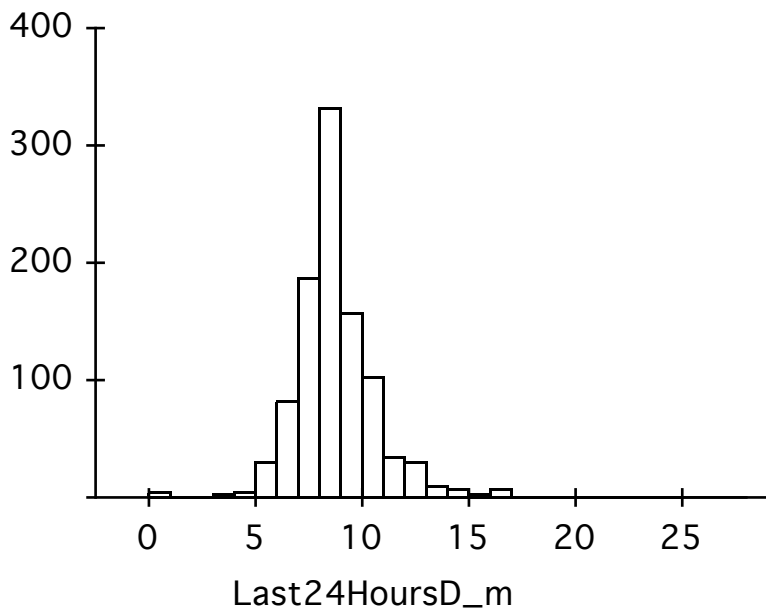
Summary of  
No Selector  
2284 total cases of which 1274 are missing

Last24HoursD\_m

Percentile 25

Total Cases	2284
Count	1010
Mean	8.47079
Median	8
StdDev	2.09444
Min	0
Max	24
Lower ith %tile	7.50000
Upper ith %tile	9

162



<sup>162</sup> Last24Hours (converted to hours)



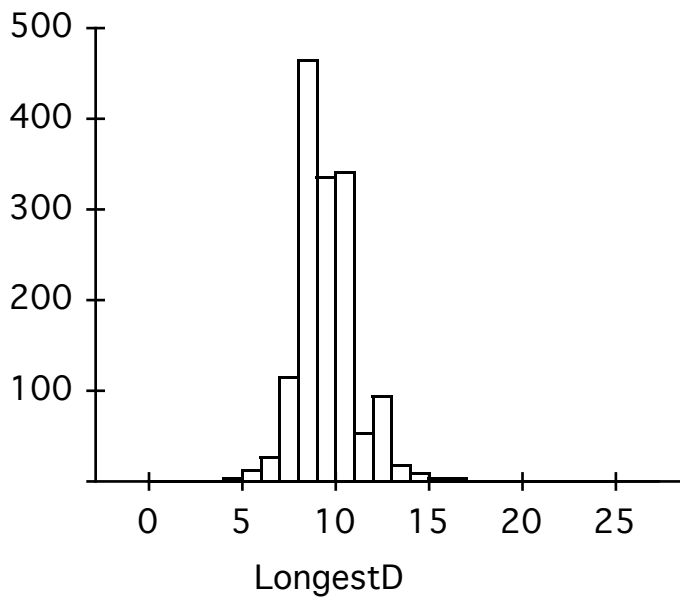
Summary of  
No Selector  
2284 total cases of which 927 are missing

LongestD\_m

Percentile 25

Total Cases	2284
Count	1357
Mean	9.14253
Median	9
StdDev	1.67584
Min	3
Max	24
Lower ith %tile	8
Upper ith %tile	10

163



<sup>163</sup> Longest (converted to hours)

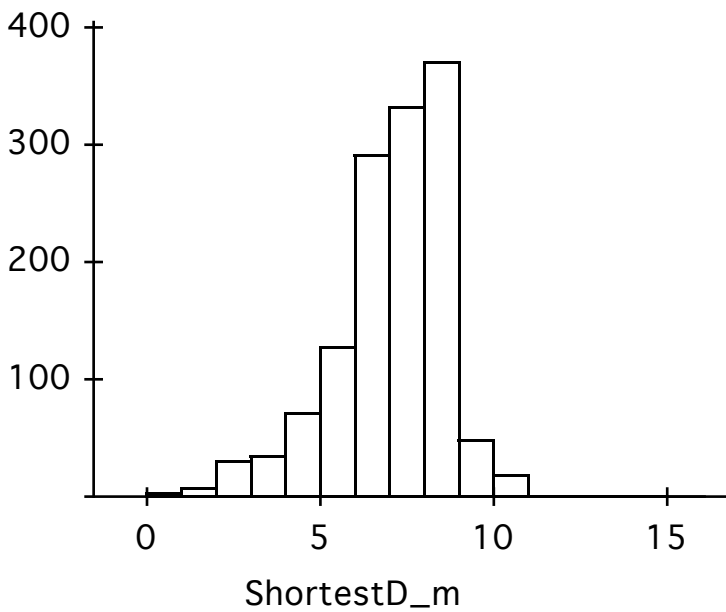
Summary of  
 No Selector  
 2284 total cases of which 937 are missing

ShortestD\_m

Percentile 25

Total Cases	2284
Count	1347
Mean	6.63382
Median	7
StdDev	1.70339
Min	0
Max	14
Lower ith %tile	6
Upper ith %tile	8

164



<sup>164</sup> Shortest (converted to hours)

Frequency breakdown of  
 No Selector  
 2284 total cases of which 907 are missing

AverageD\_m

Total Cases 1377  
 Number of Categories 34

Group	Count	Cumulative Count	%	Cumulative %
4	11	11	0.799	0.799
4.5000000	4	15	0.290	1.089
5	25	40	1.816	2.905
5.5000000	6	46	0.436	3.341
6	80	126	5.810	9.150
6.3333333	1	127	0.073	9.223
6.5000000	38	165	2.760	11.983
6.6666667	1	166	0.073	12.055
6.7500000	5	171	0.363	12.418
7	190	361	13.798	26.216
7.1666667	1	362	0.073	26.289
7.3500000	1	363	0.073	26.362
7.4166667	1	364	0.073	26.434
7.5000000	93	457	6.754	33.188
7.7500000	3	460	0.218	33.406
7.8333333	1	461	0.073	33.479
8	594	1055	43.137	76.616
8.2500000	2	1057	0.145	76.761
8.3333333	1	1058	0.073	76.834
8.5000000	84	1142	6.100	82.934
8.6666667	1	1143	0.073	83.007
8.7500000	1	1144	0.073	83.079
9	136	1280	9.877	92.956
9.2500000	1	1281	0.073	93.028
9.5000000	14	1295	1.017	94.045
9.7500000	2	1297	0.145	94.190
10	62	1359	4.503	98.693
10.500000	2	1361	0.145	98.838
11	8	1369	0.581	99.419
11.500000	1	1370	0.073	99.492
12	4	1374	0.290	99.782
13	1	1375	0.073	99.855
13.750000	1	1376	0.073	99.927
14	1	1377	0.073	100.000

165

<sup>165</sup> Average (converted to hours)

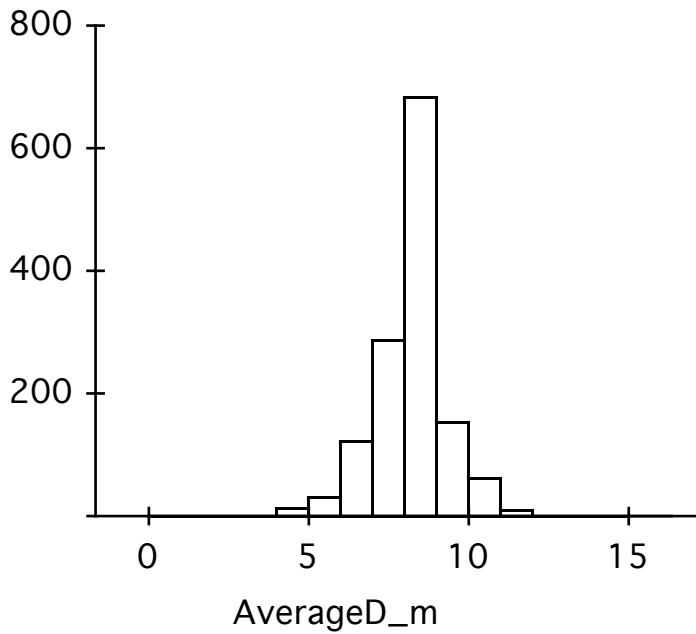
Summary of  
No Selector  
2284 total cases of which 907 are missing

AverageD\_m

Percentile 25

Total Cases	2284
Count	1377
Mean	7.84133
Median	8
StdDev	1.13924
Min	4
Max	14
Lower ith %tile	7
Upper ith %tile	8

---



Frequency breakdown of  
No Selector  
2284 total cases of which 812 are missing

Intervals\_m

Total Cases 1472  
Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
Day	1250	1250	84.918	84.918
Day/Night Mix	174	1424	11.821	96.739
Night	48	1472	3.261	100.000

166

Frequency breakdown of  
cases selected according to  
2284 total cases of which 1408 are missing

Intervals\_m  
GVETruck\_m

Total Cases 876  
Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
Day	690	690	78.767	78.767
Day/Night Mix	154	844	17.580	96.347
Night	32	876	3.653	100.000

Frequency breakdown of  
No Selector  
2284 total cases of which 957 are missing

ShiftRotateD\_m

Total Cases 1327  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1218	1218	91.786	91.786
1	109	1327	8.214	100.000

167

<sup>166</sup> Intervals  
<sup>167</sup> ShiftRotate

Frequency breakdown of  
 No Selector  
 2284 total cases of which 682 are missing

RelateTo\_m

Total Cases 1602  
 Number of Categories 8

Group	Count	Cumulative Count	%	Cumulative %	
1	1294	1294	80.774	80.774	
2	106	1400	6.617	87.391	
3	2	1402	0.125	87.516	
4	7	1409	0.437	87.953	
5	1	1410	0.062	88.015	
6	72	1482	4.494	92.509	
8 8 *	11	1493	0.687	93.196	
9 9 *	109	1602	6.804	100.000	168

Frequency breakdown of  
 No Selector  
 2284 total cases of which 802 are missing

RelateToWork\_m

Total Cases 1482  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %	
0	188	188	12.686	12.686	
1	1294	1482	87.314	100.000	169

<sup>168</sup> RelateTo

<sup>169</sup> RelateToWork

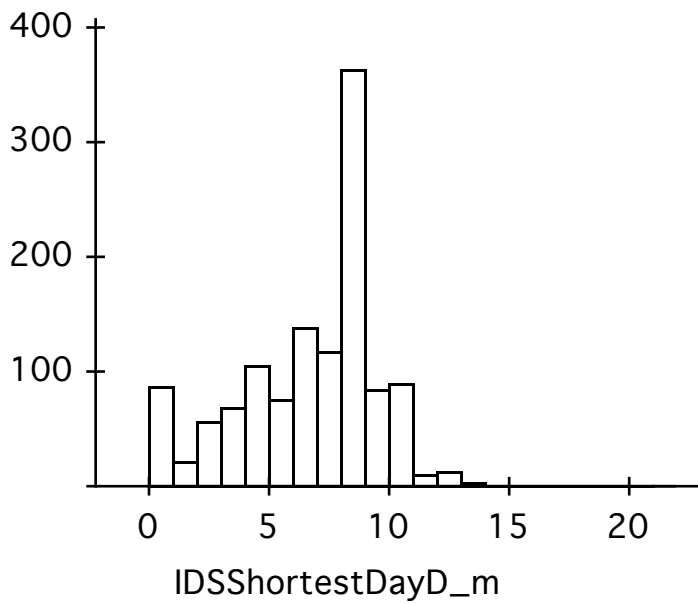
Summary of  
No Selector  
2284 total cases of which 1042 are missing

IDSShortestDayD\_m

Percentile 25

Total Cases	2284
Count	1242
Mean	6.32473
Median	7
StdDev	2.93576
Min	0
Max	20
Lower ith %tile	4
Upper ith %tile	8

170



<sup>170</sup> IDSShortestDay (converted to hours)

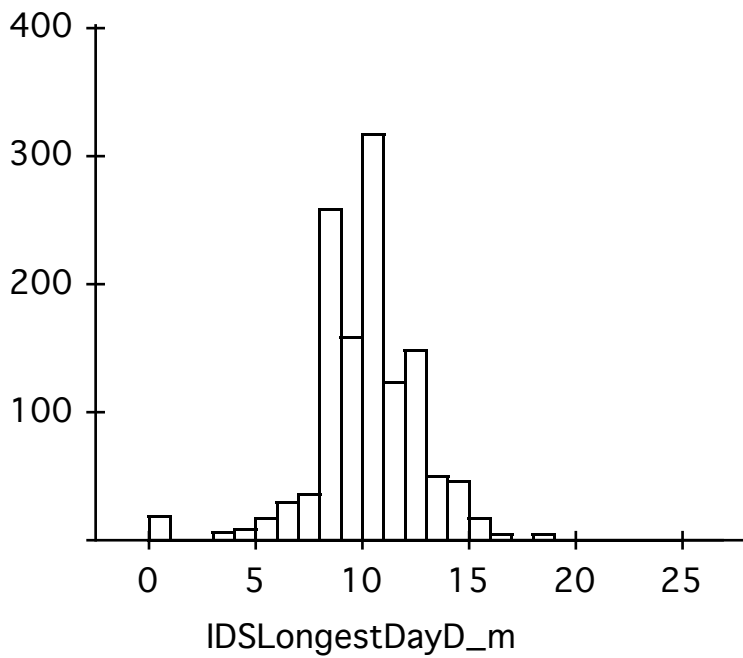
Summary of  
No Selector  
2284 total cases of which 1023 are missing

IDSLongestDayD\_m

Percentile 25

Total Cases	2284
Count	1261
Mean	9.82254
Median	10
StdDev	2.63372
Min	0
Max	24
Lower ith %tile	8
Upper ith %tile	11.0625

171



<sup>171</sup> IDSLongestDay (converted to hours)



Frequency breakdown of **AverageWorkDayD\_m**  
 No Selector  
 2284 total cases of which 1024 are missing

Total Cases		1260		
Number of Categories		53		
Group	Count	Cumulative Count	%	Cumulative %
0	22	22	1.746	1.746
1.5833333	1	23	0.079	1.825
2	4	27	0.317	2.143
3	7	34	0.556	2.698
3.5000000	1	35	0.079	2.778
4	10	45	0.794	3.571
4.2500000	1	46	0.079	3.651
4.5000000	3	49	0.238	3.889
5	26	75	2.063	5.952
5.2500000	1	76	0.079	6.032
5.5000000	1	77	0.079	6.111
5.7500000	1	78	0.079	6.190
6	41	119	3.254	9.444
6.5000000	10	129	0.794	10.238
6.7333333	1	130	0.079	10.317
6.7500000	2	132	0.159	10.476
7	40	172	3.175	13.651
7.1666667	1	173	0.079	13.730
7.2500000	1	174	0.079	13.810
7.3000000	1	175	0.079	13.889
7.5000000	21	196	1.667	15.556
8	438	634	34.762	50.317
8.1500000	1	635	0.079	50.397
8.2500000	3	638	0.238	50.635
8.5000000	58	696	4.603	55.238
8.6666667	2	698	0.159	55.397
8.7500000	4	702	0.317	55.714
9	154	856	12.222	67.937
9.2000000	1	857	0.079	68.016
9.2500000	3	860	0.238	68.254
9.5000000	33	893	2.619	70.873
9.7500000	2	895	0.159	71.032
9.8333333	1	896	0.079	71.111
10	222	1118	17.619	88.730
10.2000000	1	1119	0.079	88.810
10.2500000	2	1121	0.159	88.968
10.3333333	2	1123	0.159	89.127
10.5000000	19	1142	1.508	90.635
10.8333333	2	1144	0.159	90.794
11	32	1176	2.540	93.333
11.5000000	7	1183	0.556	93.889
11.7500000	2	1185	0.159	94.048
12	50	1235	3.968	98.016
12.3333333	1	1236	0.079	98.095
12.5000000	4	1240	0.317	98.413
13	8	1248	0.635	99.048
13.5000000	3	1251	0.238	99.286
14	4	1255	0.317	99.603
14.5000000	1	1256	0.079	99.683
15	1	1257	0.079	99.762
15.916667	1	1258	0.079	99.841
18	1	1259	0.079	99.921
20	1	1260	0.079	100.000

172

<sup>172</sup> AverageWorkDay (converted to hours)

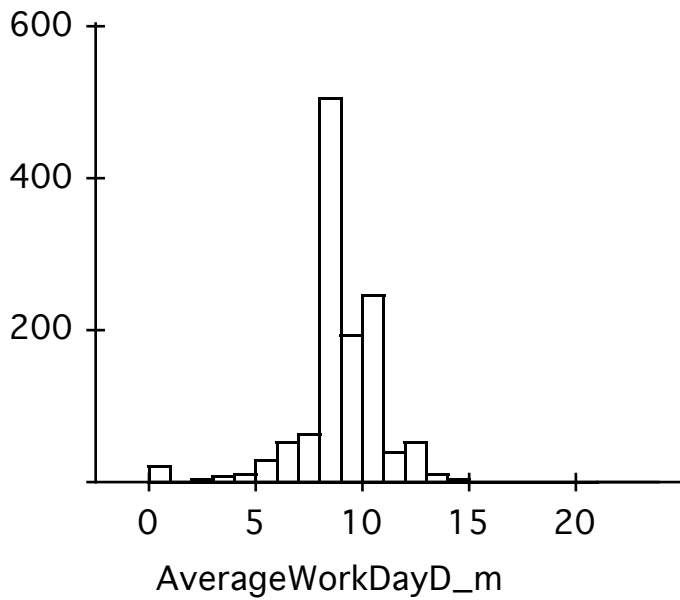
Summary of  
No Selector  
2284 total cases of which 1024 are missing

AverageWorkDayD\_m

Percentile 25

Total Cases	2284
Count	1260
Mean	8.54888
Median	8
StdDev	2.10062
Min	0
Max	20
Lower ith %tile	8
Upper ith %tile	10

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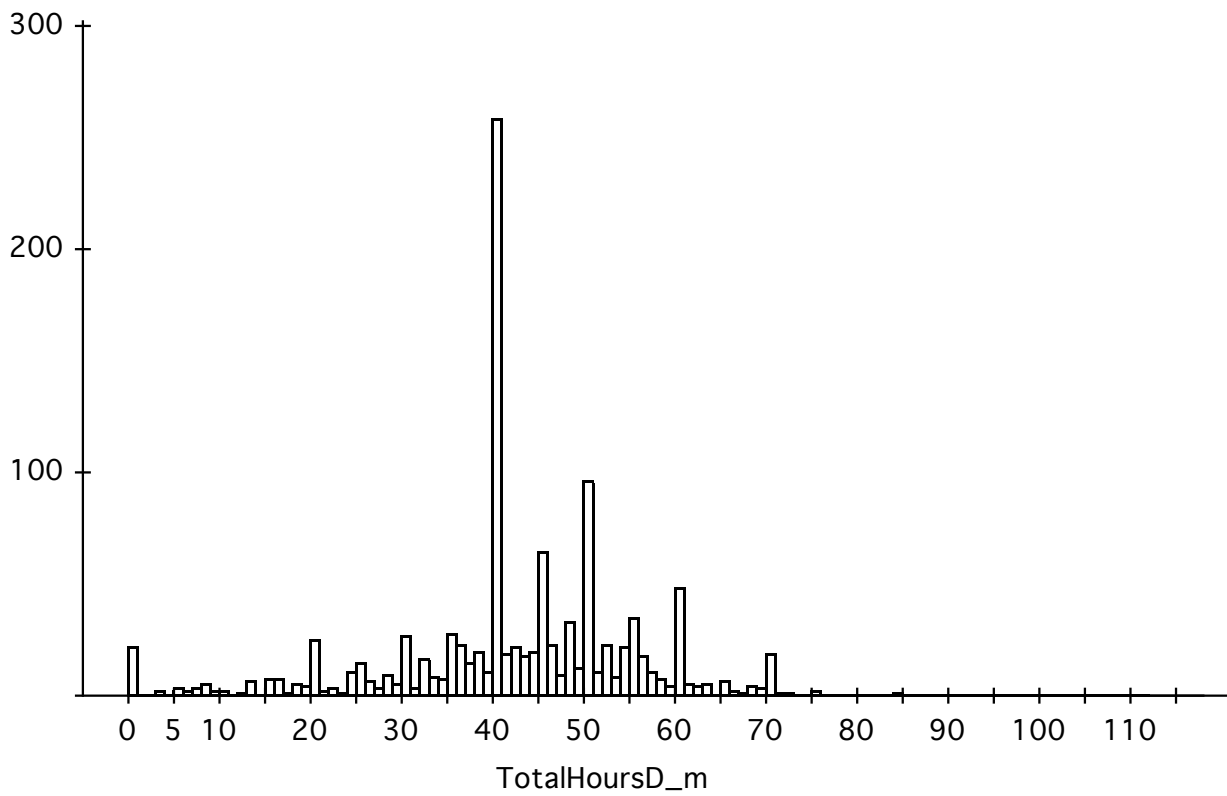
Summary of  
 No Selector  
 2284 total cases of which 1106 are missing

TotalHoursD\_m

Percentile 25

Total Cases	2284
Count	1178
Mean	41.9140
Median	40
StdDev	14.5073
Min	0
Max	111.500
Lower ith %tile	37
Upper ith %tile	50

173



<sup>173</sup> TotalHours (converted to hours)

Frequency breakdown of  
No Selector

SinceLastDayonDuty\_m

2284 total cases of which 1051 are missing

Total Cases 1233  
Number of Categories 21

Group	Count	Cumulative Count	%	Cumulative %
0	98	98	7.948	7.948
1.0166667	297	395	24.088	32.036
2.0333333	260	655	21.087	53.122
3.0500000	183	838	14.842	67.964
4.0666667	189	1027	15.328	83.293
5.0833333	120	1147	9.732	93.025
6.1000000	34	1181	2.758	95.783
7.1166667	21	1202	1.703	97.486
8.1333333	7	1209	0.568	98.054
9.1500000	4	1213	0.324	98.378
10.1666667	7	1220	0.568	98.946
11.1833333	1	1221	0.081	99.027
12.2000000	1	1222	0.081	99.108
14.2333333	2	1224	0.162	99.270
16.2666667	1	1225	0.081	99.351
17.2833333	1	1226	0.081	99.432
21.3500000	1	1227	0.081	99.513
28.4666667	1	1228	0.081	99.594
30.5000000	3	1231	0.243	99.838
34.5666667	1	1232	0.081	99.919
46.7666667	1	1233	0.081	100.000

174

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<sup>174</sup> SinceLastDayonDuty

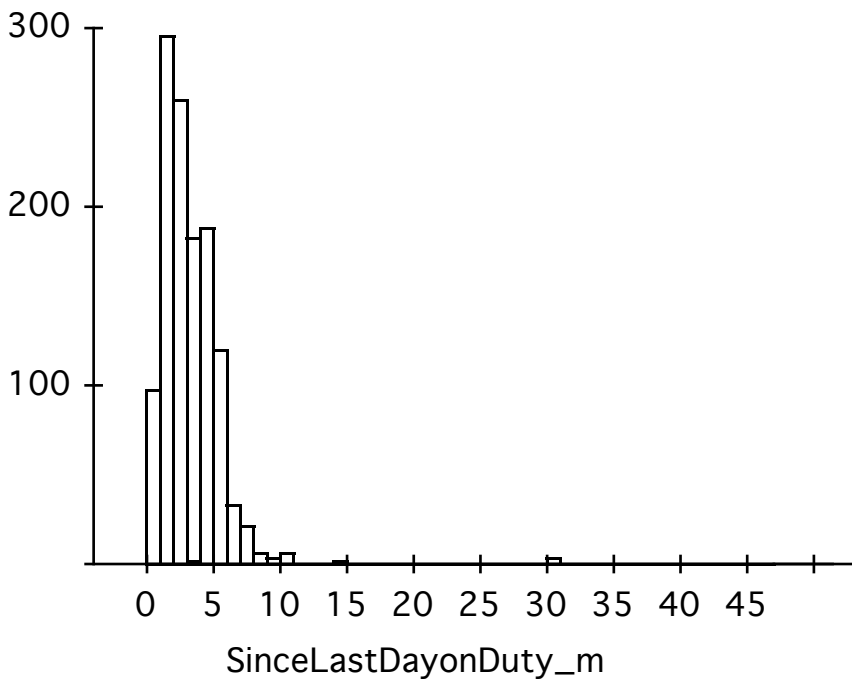
Summary of  
No Selector  
2284 total cases of which 1051 are missing

SinceLastDayonDuty\_m

Percentile 25

Total Cases	2284
Count	1233
Mean	2.91725
Median	2.03333
StdDev	3.03511
Min	0
Max	46.7667
Lower ith %tile	1.01667
Upper ith %tile	4.06667

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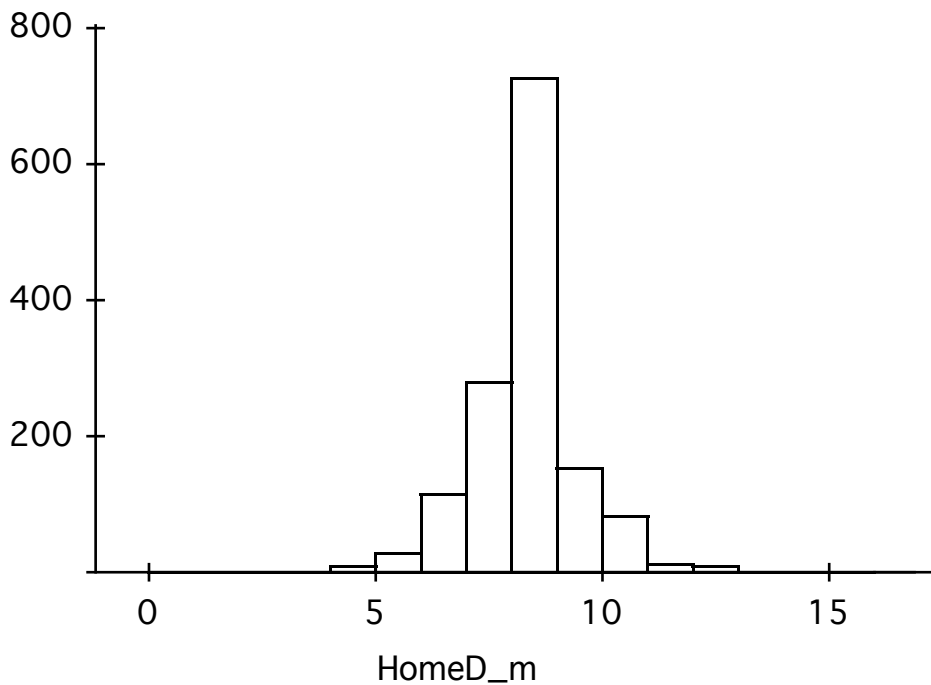
Summary of  
No Selector  
2284 total cases of which 860 are missing

HomeD\_m

Percentile 25

Total Cases	2284
Count	1424
Mean	7.93288
Median	8
StdDev	1.19019
Min	0
Max	15
Lower ith %tile	7.50000
Upper ith %tile	8.12500

175



<sup>175</sup> Home (converted to hours)

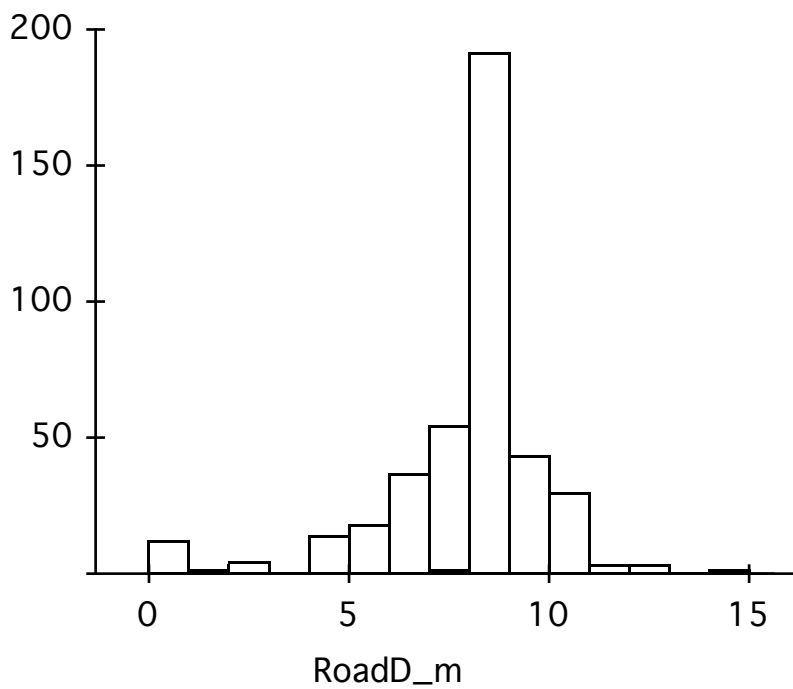
Summary of  
No Selector  
2284 total cases of which 1871 are missing

RoadD\_m

Percentile 25

Total Cases	2284
Count	413
Mean	7.49516
Median	8
StdDev	2.02322
Min	0
Max	14
Lower ith %tile	7
Upper ith %tile	8

176



<sup>176</sup> Road (converted to hours)

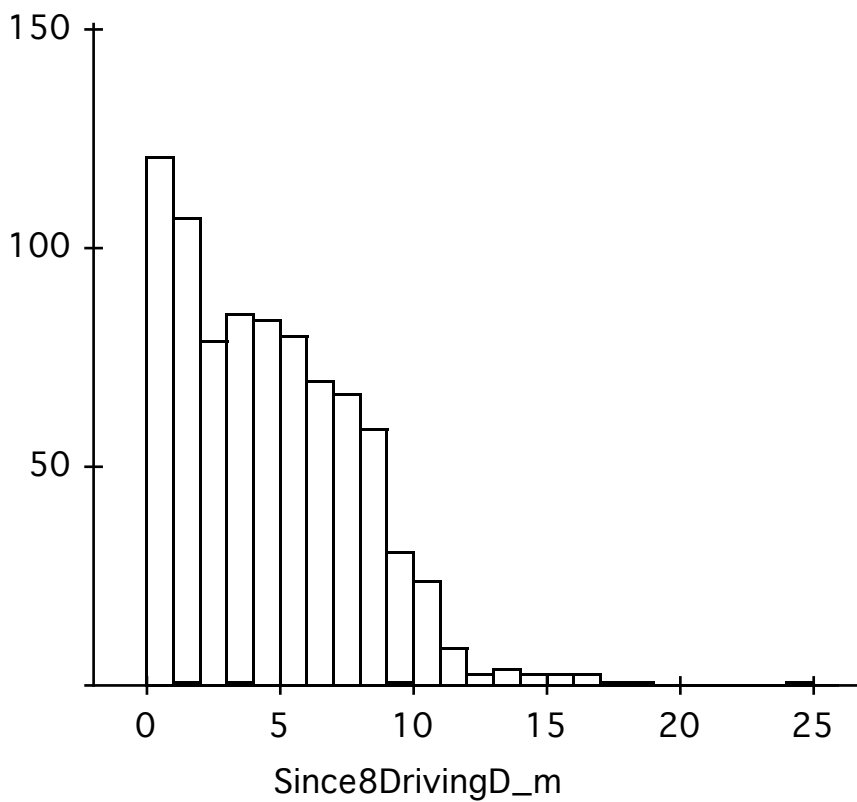
Summary of  
No Selector  
2284 total cases of which 1449 are missing

Since8DrivingD\_m

Percentile 25

Total Cases	2284
Count	835
Mean	4.45156
Median	4
StdDev	3.33974
Min	0
Max	24
Lower ith %tile	1.50000
Upper ith %tile	6.93750

177



<sup>177</sup> Since8Driving (converted to hours)



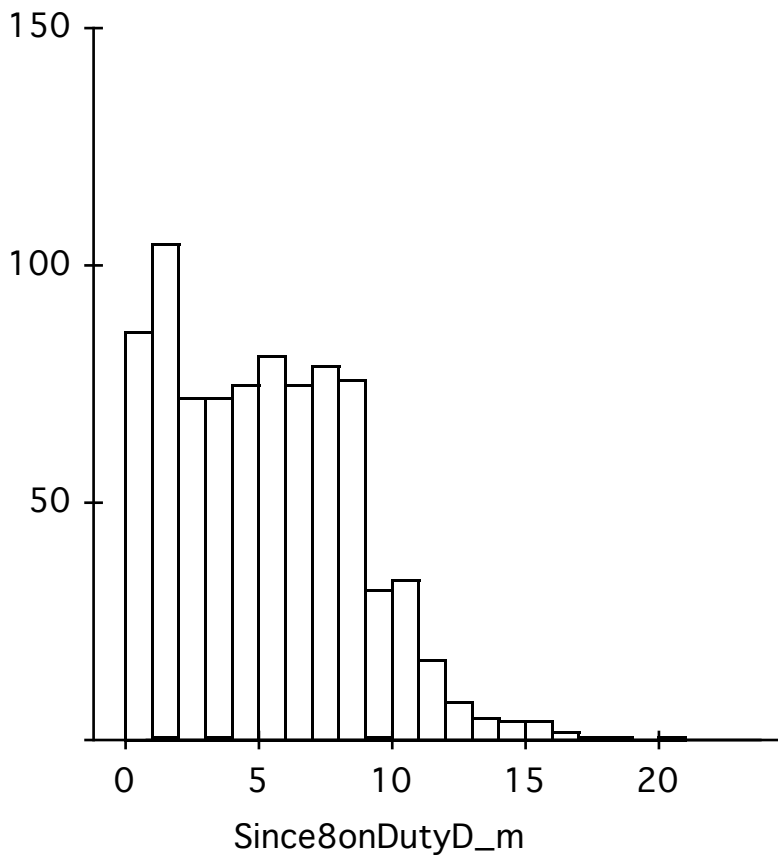
Summary of  
 No Selector  
 2284 total cases of which 1454 are missing

Since8onDutyD\_m

Percentile 25

Total Cases	2284
Count	830
Mean	5.02703
Median	5
StdDev	3.43174
Min	0
Max	20
Lower ith %tile	2
Upper ith %tile	7.50000

178



<sup>178</sup> Since8onDuty (converted to hours)

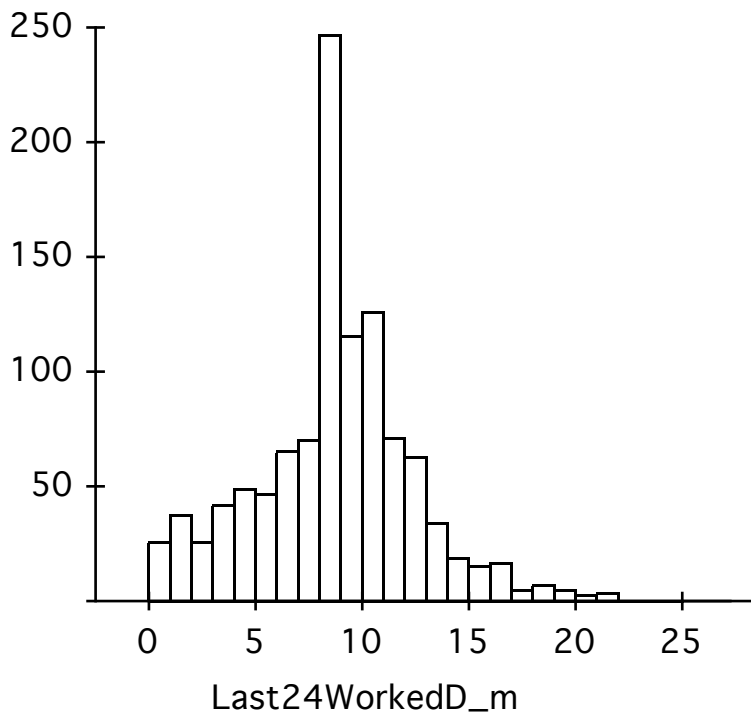
Summary of  
No Selector  
2284 total cases of which 1184 are missing

Last24WorkedD\_m

Percentile 25

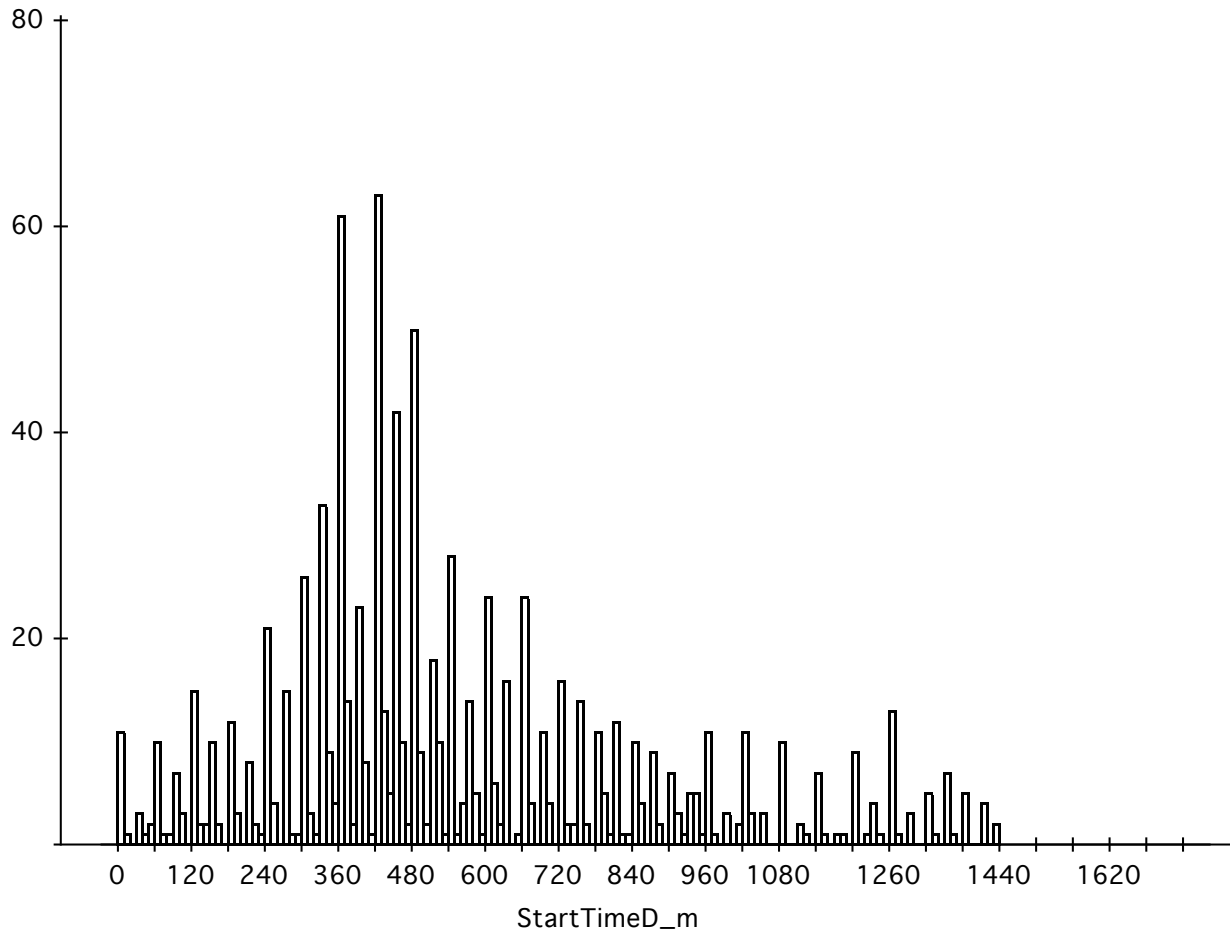
Total Cases	2284
Count	1100
Mean	8.40748
Median	8
StdDev	3.76194
Min	0.016667
Max	24
Lower ith %tile	6.30000
Upper ith %tile	10

179



<sup>179</sup> Last24Worked (converted to hours)

## IntvwDrTrip



180

Frequency breakdown of  
No Selector

WorkScheduleD\_m

2284 total cases of which 1752 are missing

Total Cases 532  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	44	44	8.271	8.271
1	488	532	91.729	100.000

181

<sup>180</sup> StartTime (time of day). Each bar represents 10 minutes, and scale is divided into two hour blocks of 120 minutes each, so the figure shows 6 bars for every hour and 12 bars per two-hour span.

<sup>181</sup> WorkSchedule

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1752 are missing

IDTOnScheduleD\_m

Total Cases 532  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	44	44	8.271	8.271
1	488	532	91.729	100.000

182

Summary of  
 No Selector  
 2284 total cases of which 1130 are missing

IntendedDayDistance\_m

Percentile 25

Total Cases 2284  
 Count 1154  
 Mean 274.905  
 Median 145  
 StdDev 303.681  
 Min 1  
 Max 1500  
 Lower ith %tile 48  
 Upper ith %tile 418

183

<sup>182</sup> IDTOnSchedule

<sup>183</sup> IDTOnSchedule

## Overview

Frequency breakdown of  
No Selector

OVEConfiguration\_m

2284 total cases of which 1161 are missing

Total Cases 1123  
Number of Categories 14

Group	Count	Cumulative Count	%	Cumulative %
ISS	1	1	0.089	0.089
Not Insp	18	19	1.603	1.692
R	283	302	25.200	26.892
R F	18	320	1.603	28.495
RO	22	342	1.959	30.454
ROO	1	343	0.089	30.543
T	29	372	2.582	33.126
TO	5	377	0.445	33.571
TS	691	1068	61.532	95.102
TSA	1	1069	0.089	95.191
TSAS	21	1090	1.870	97.061
TSCS	2	1092	0.178	97.240
TSF	29	1121	2.582	99.822
TSXS	2	1123	0.178	100.000

184

<sup>184</sup> OVEConfiguration, where:

- R: Straight truck
- T: Tractor
- S: Semi-trailer
- F: Full trailer
- G: Gooseneck hitch
- O: Other trailer (specify)
- U: Unknown trailer type
- A: A dolly
- B: B train
- C: C dolly
- X: Unknown dolly
- J: Jeep
- P: Bus
- I: Implement of husbandry
- Not Insp: Not inspected

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1161 are missing

**StraightTruck\_m**

Total Cases 1123  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	799	799	71.149	71.149
1	324	1123	28.851	100.000

185

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1161 are missing

**ArticulatedTruck\_m**

Total Cases 1123  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	343	343	30.543	30.543
1	780	1123	69.457	100.000

Frequency breakdown of  
 No Selector  
 2284 total cases of which 206 are missing

**Truck\_m**

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	973	973	46.824	46.824
1	1105	2078	53.176	100.000

186

<sup>185</sup> StraightTruck

<sup>186</sup> Truck

Frequency breakdown of OVECriticalEvent\_m  
 No Selector  
 2284 total cases of which 206 are missing

Total Cases 2078  
 Number of Categories 42

Group	Count	Cumulative Count	%	Cumulative %
1	13	13	0.626	0.626
3	7	20	0.337	0.962
4	5	25	0.241	1.203
5	11	36	0.529	1.732
6	110	146	5.294	7.026
7	12	158	0.577	7.603
8	23	181	1.107	8.710
9	12	193	0.577	9.288
10	120	313	5.775	15.063
11	52	365	2.502	17.565
12	37	402	1.781	19.346
13	69	471	3.321	22.666
14	1	472	0.048	22.714
15	72	544	3.465	26.179
16	22	566	1.059	27.238
17	67	633	3.224	30.462
18	7	640	0.337	30.799
50	107	747	5.149	35.948
51	72	819	3.465	39.413
52	78	897	3.754	43.167
53	228	1125	10.972	54.139
54	23	1148	1.107	55.245
55	2	1150	0.096	55.342
56	2	1152	0.096	55.438
60	78	1230	3.754	59.192
61	86	1316	4.139	63.330
62	104	1420	5.005	68.335
63	2	1422	0.096	68.431
65	4	1426	0.192	68.624
66	62	1488	2.984	71.607
67	22	1510	1.059	72.666
70	2	1512	0.096	72.762
71	4	1516	0.192	72.955
72	4	1520	0.192	73.147
80	24	1544	1.155	74.302
81	1	1545	0.048	74.350
83	6	1551	0.289	74.639
87	1	1552	0.048	74.687
90	14	1566	0.674	75.361
98	36	1602	1.732	77.093
100	13	1615	0.626	77.719
125	463	2078	22.281	100.000

187

<sup>187</sup> OVECriticalEvent

Frequency breakdown of  
 No Selector  
 2284 total cases of which 206 are missing

**InvolvedInCriticalEvent\_m**

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	463	463	22.281	22.281
1	1615	2078	77.719	100.000

188

Frequency breakdown of  
 No Selector  
 2284 total cases of which 206 are missing

**AssignedCriticalReason\_m**

Total Cases 2078  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1129	1129	54.331	54.331
1	949	2078	45.669	100.000

189

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<sup>188</sup> InvolvedInCriticalEvent  
<sup>189</sup> AssignedCriticalReason



Frequency breakdown of **OVERReason\_m**  
 No Selector  
 2284 total cases of which 206 are missing

Total Cases		2078		
Number of Categories		48		
Group	Count	Cumulative Count	%	Cumulative %
0	1129	1129	54.331	54.331
100	52	1181	2.502	56.833
101	30	1211	1.444	58.277
108	2	1213	0.096	58.373
109	6	1219	0.289	58.662
110	55	1274	2.647	61.309
111	38	1312	1.829	63.138
112	24	1336	1.155	64.293
113	125	1461	6.015	70.308
118	3	1464	0.144	70.452
119	44	1508	2.117	72.570
120	65	1573	3.128	75.698
121	2	1575	0.096	75.794
122	32	1607	1.540	77.334
123	30	1637	1.444	78.778
124	22	1659	1.059	79.836
125	41	1700	1.973	81.809
127	6	1706	0.289	82.098
128	22	1728	1.059	83.157
138	17	1745	0.818	83.975
139	2	1747	0.096	84.071
140	58	1805	2.791	86.862
141	1	1806	0.048	86.910
142	38	1844	1.829	88.739
143	34	1878	1.636	90.375
149	2	1880	0.096	90.472
199	92	1972	4.427	94.899
200	16	1988	0.770	95.669
201	8	1996	0.385	96.054
202	1	1997	0.048	96.102
203	16	2013	0.770	96.872
204	1	2014	0.048	96.920
205	2	2016	0.096	97.016
208	1	2017	0.048	97.064
298	2	2019	0.096	97.161
299	1	2020	0.048	97.209
500	1	2021	0.048	97.257
504	1	2022	0.048	97.305
505	1	2023	0.048	97.353
507	1	2024	0.048	97.401
509	12	2036	0.577	97.979
522	1	2037	0.048	98.027
523	2	2039	0.096	98.123
530	5	2044	0.241	98.364
540	17	2061	0.818	99.182
541	2	2063	0.096	99.278
999	1	2064	0.048	99.326
999*	14	2078	0.674	100.000

190

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<sup>190</sup> OVERReason (Critical Reason For The Critical Precrash Event; see also Crash Assessment Relation)

Frequency breakdown of  
No Selector  
2284 total cases of which 1365 are missing

OVERightOfWayD\_m

Total Cases 919  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	372	372	40.479	40.479
1	547	919	59.521	100.000

191

Frequency breakdown of  
No Selector  
2284 total cases of which 206 are missing

DriverFatigue\_m

Total Cases 2078  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1880	1880	90.472	90.472
1	198	2078	9.528	100.000

192

Frequency breakdown of  
cases selected according to  
2284 total cases of which 1218 are missing

DriverFatigue\_m  
GVETruck\_m

Total Cases 1066  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	940	940	88.180	88.180
1	126	1066	11.820	100.000

<sup>191</sup> OVERightOfWay

<sup>192</sup> DriverFatigue

Frequency breakdown of cases selected according to 2284 total cases of which 1270 are missing

DriverFatigue\_m  
GVE CDL Truck\_m

Total Cases 1014  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	893	893	88.067	88.067
1	121	1014	11.933	100.000

Frequency breakdown of No Selector 2284 total cases of which 206 are missing

CarrierEmployerFactors\_m

Total Cases 2078  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	1993	1993	95.910	95.910
1	85	2078	4.090	100.000

193

<sup>193</sup> CarrierEmployer

### SaferAuthorityStatus

Frequency breakdown of **CommonStatus\_m**  
No Selector  
2284 total cases of which 1724 are missing

Total Cases 560  
Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %	
ACTIVE	318	318	56.786	56.786	
INACTIVE	46	364	8.214	65.000	
NONE	177	541	31.607	96.607	
UNK	19	560	3.393	100.000	194

Frequency breakdown of **CommonCarrier\_m**  
No Selector  
2284 total cases of which 1743 are missing

Total Cases 541  
Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %	
0	223	223	41.220	41.220	
1	318	541	58.780	100.000	

Frequency breakdown of **ContractStatus\_m**  
No Selector  
2284 total cases of which 1724 are missing

Total Cases 560  
Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %	
ACTIVE	426	426	76.071	76.071	
INACTIVE	32	458	5.714	81.786	
NONE	83	541	14.821	96.607	
UNK	19	560	3.393	100.000	195

<sup>194</sup> CommonStatus

<sup>195</sup> ContractStatus

Frequency breakdown of **ContractCarrier\_m**  
 No Selector  
 2284 total cases of which 1743 are missing

Total Cases 541  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	115	115	21.257	21.257
1	426	541	78.743	100.000

Frequency breakdown of **BrokerStatus\_m**  
 No Selector  
 2284 total cases of which 1724 are missing

Total Cases 560  
 Number of Categories 6

Group	Count	Cumulative Count	%	Cumulative %
ACTI	11	11	1.964	1.964
ACTIVE	113	124	20.179	22.143
INAC	3	127	0.536	22.679
INACTIVE	30	157	5.357	28.036
NONE	384	541	68.571	96.607
UNK	19	560	3.393	100.000

196

Frequency breakdown of **Broker\_m**  
 No Selector  
 2284 total cases of which 1743 are missing

Total Cases 541  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	417	417	77.079	77.079
1	124	541	22.921	100.000

<sup>196</sup> BrokerStatus

**SaferCarrier**

Frequency breakdown of  
No Selector

**SaferCarrierStatus\_m**

2284 total cases of which 1542 are missing

Total Cases 742  
Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
99	1	1	0.135	0.135
ACTIVE	720	721	97.035	97.170
INACTIVE	21	742	2.830	100.000

197

Frequency breakdown of  
No Selector  
2284 total cases of which 1542 are missing

**OperationClassification\_m**

Total Cases 742  
Number of Categories 21

Group	Count	Cumulative Count	%	Cumulative %
AUTHORIZED FOR HIRE	465	465	62.668	62.668
AUTHORIZED FOR HIRE, EXEMPT FOR HIRE	10	475	1.348	64.016
AUTHORIZED FOR HIRE, EXEMPT FOR HIRE, PRIVATE PROPERTY	1	476	0.135	64.151
AUTHORIZED FOR HIRE, FEDERAL GOVERNMENT, LOCAL GOVERNMENT, STATE GOVERNMENT	1	477	0.135	64.286
AUTHORIZED FOR HIRE, OTHER	6	483	0.809	65.094
AUTHORIZED FOR HIRE, PRIVATE PROPERTY	24	507	3.235	68.329
AUTHORIZED FOR HIRE, PRIVATE PROPERTY, EXEMPT FOR HIRE	1	508	0.135	68.464
AUTHORIZED FOR HIRE, U. S. MAIL	10	518	1.348	69.811
EXEMPT FOR HIRE	18	536	2.426	72.237
EXEMPT FOR HIRE, PRIVATE PROPERTY	1	537	0.135	72.372
LOCAL GOVERNMENT	1	538	0.135	72.507
OTHER	35	573	4.717	77.224
OTHER, AUTHORIZED FOR HIRE	3	576	0.404	77.628
OTHER, PRIVATE PROPERTY	1	577	0.135	77.763
PRIVATE PROPERTY	138	715	18.598	96.361
PRIVATE PROPERTY, AUTHORIZED FOR HIRE	12	727	1.617	97.978
PRIVATE PROPERTY, EXEMPT FOR HIRE	1	728	0.135	98.113
PRIVATE PROPERTY, FEDERAL GOVERNMENT, STATE GOVERNMENT, OTHER	1	729	0.135	98.248
PRIVATE PROPERTY, OTHER	6	735	0.809	99.057
U. S. MAIL	6	741	0.809	99.865
Unknown	1	742	0.135	100.000

198

<sup>197</sup> SCAStatus

<sup>198</sup> OperationClassification

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1542 are missing

**CarrierOperationDescription\_m**

Total Cases 742  
 Number of Categories 4

Group	Count	Cumulative Count	%	Cumulative %
INTERSTATE	701	701	94.474	94.474
INTRASTATE HAZMAT	7	708	0.943	95.418
INTRASTATE NON-HAZMAT	32	740	4.313	99.730
Unknown	2	742	0.270	100.000

199

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1544 are missing

**InterstateOperation\_m**

Total Cases 740  
 Number of Categories 2

Group	Count	Cumulative Count	%	Cumulative %
0	39	39	5.270	5.270
1	701	740	94.730	100.000

200

<sup>199</sup> CarrierOperationDescription

<sup>200</sup> InterstateOperation

Frequency breakdown of CargoCarried\_m  
 No Selector  
 2284 total cases of which 1542 are missing

Total Cases 742  
 Number of Categories 54

Group	Count	Cumulative Count	%	Cumulative %
BEVERAGES	17	17	2.291	2.291
BEVERAGES, BEVERAGES	1	18	0.135	2.426
BUILDING MATERIALS	43	61	5.795	8.221
BUILDING MATERIALS, BUILDING MATERIALS	3	64	0.404	8.625
CHEMICALS	28	92	3.774	12.399
CHEMICALS, CHEMICALS	7	99	0.943	13.342
COAL, COKE	3	102	0.404	13.747
COAL, COKE, COAL, COKE	2	104	0.270	14.016
COMMODITIES DRY BULK	20	124	2.695	16.712
COMMODITIES DRY BULK, COMMODITIES DRY BULK	6	130	0.809	17.520
CONSTRUCTION	12	142	1.617	19.137
CONSTRUCTION, CONSTRUCTION	10	152	1.348	20.485
DRIVE AWAY/TOWAWAY	12	164	1.617	22.102
DRIVE AWAY/TOWAWAY, DRIVE AWAY/TOWAWAY	5	169	0.674	22.776
FARM SUPPLIES	2	171	0.270	23.046
FARM SUPPLIES, FARM SUPPLIES	1	172	0.135	23.181
FRESH PRODUCE	24	196	3.235	26.415
FRESH PRODUCE, FRESH PRODUCE	4	200	0.539	26.954
GARBAGE, REFUSE, TRASH	18	218	2.426	29.380
GARBAGE, REFUSE, TRASH, GARBAGE, REFUSE, TRASH	2	220	0.270	29.650
GENERAL FREIGHT	85	305	11.456	41.105
GENERAL FREIGHT, GENERAL FREIGHT	1	306	0.135	41.240
GRAIN, FEED, HAY	9	315	1.213	42.453
GRAIN, FEED, HAY, GRAIN, FEED, HAY	1	316	0.135	42.588
HOUSEHOLD GOODS	6	322	0.809	43.396
HOUSEHOLD GOODS, HOUSEHOLD GOODS	4	326	0.539	43.935
INTERMODAL CONTAINERS	12	338	1.617	45.553
INTERMODAL CONTAINERS, INTERMODAL CONTAINERS	13	351	1.752	47.305
LIQUIDS/GASES	23	374	3.100	50.404
LIQUIDS/GASES, LIQUIDS/GASES	3	377	0.404	50.809
LIVESTOCK	3	380	0.404	51.213
LOGS, POLES, BEAMS, LUMBER	32	412	4.313	55.526
LOGS, POLES, BEAMS, LUMBER, LOGS, POLES, BEAMS, LUMBER	1	413	0.135	55.660
MACHINERY, LARGE OBJECTS	26	439	3.504	59.164
MACHINERY, LARGE OBJECTS, MACHINERY, LARGE OBJECTS	5	444	0.674	59.838
MEAT	29	473	3.908	63.747
MEAT, MEAT	1	474	0.135	63.881
METAL; SHEETS, COILS, ROLLS	26	500	3.504	67.385
METAL; SHEETS, COILS, ROLLS, METAL; SHEETS, COILS, ROLLS	4	504	0.539	67.925
MOBILE HOMES	2	506	0.270	68.194
MOBILE HOMES, MOBILE HOMES	2	508	0.270	68.464
MOTOR VEHICLES	9	517	1.213	69.677
MOTOR VEHICLES, MOTOR VEHICLES	2	519	0.270	69.946
OIL FIELD EQUIPMENT	1	520	0.135	70.081
OTHER	76	596	10.243	80.323
OTHER, OTHER	61	657	8.221	88.544
PAPER PRODUCTS	22	679	2.965	91.509
PAPER PRODUCTS, PAPER PRODUCTS	8	687	1.078	92.588
PASSENGERS	1	688	0.135	92.722
REFRIGERATED FOOD	21	709	2.830	95.553
REFRIGERATED FOOD, REFRIGERATED FOOD	9	718	1.213	96.765
U.S. MAIL	14	732	1.887	98.652
Unknown	8	740	1.078	99.730
UTILITY	2	742	0.270	100.000

<sup>201</sup> CargoCarried



Summary of  
No Selector  
2284 total cases of which 1566 are missing

CountDrivers\_m

Percentile 25

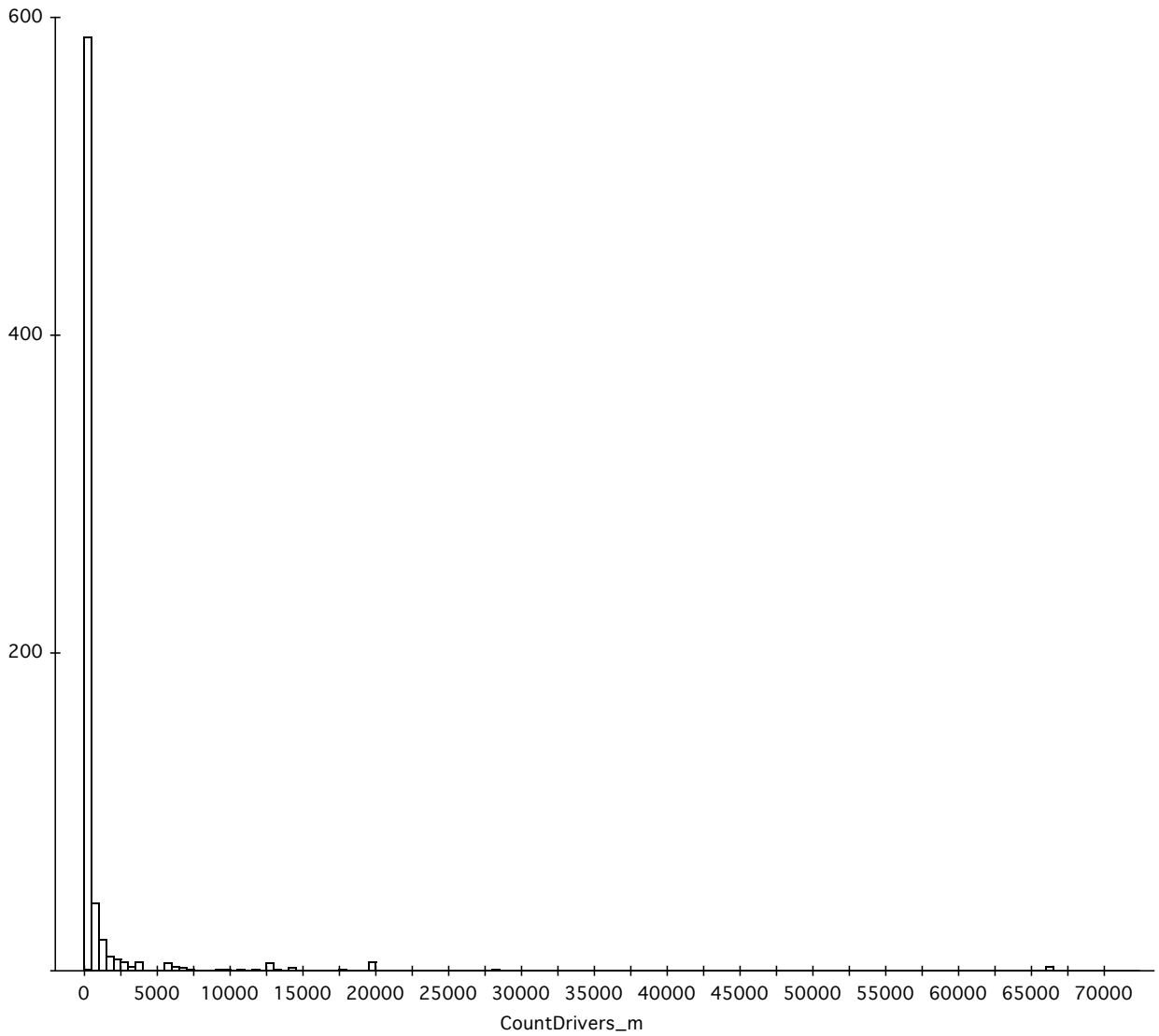
Total Cases	2284
Count	718
Mean	1058.39
Median	42
StdDev	5063.48
Min	0
Max	66150
Lower ith %tile	8
Upper ith %tile	230

202

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<sup>202</sup> CountDrivers (continuous variable)



Summary of  
No Selector  
2284 total cases of which 1542 are missing

CountPowerUnits\_m

Percentile 25

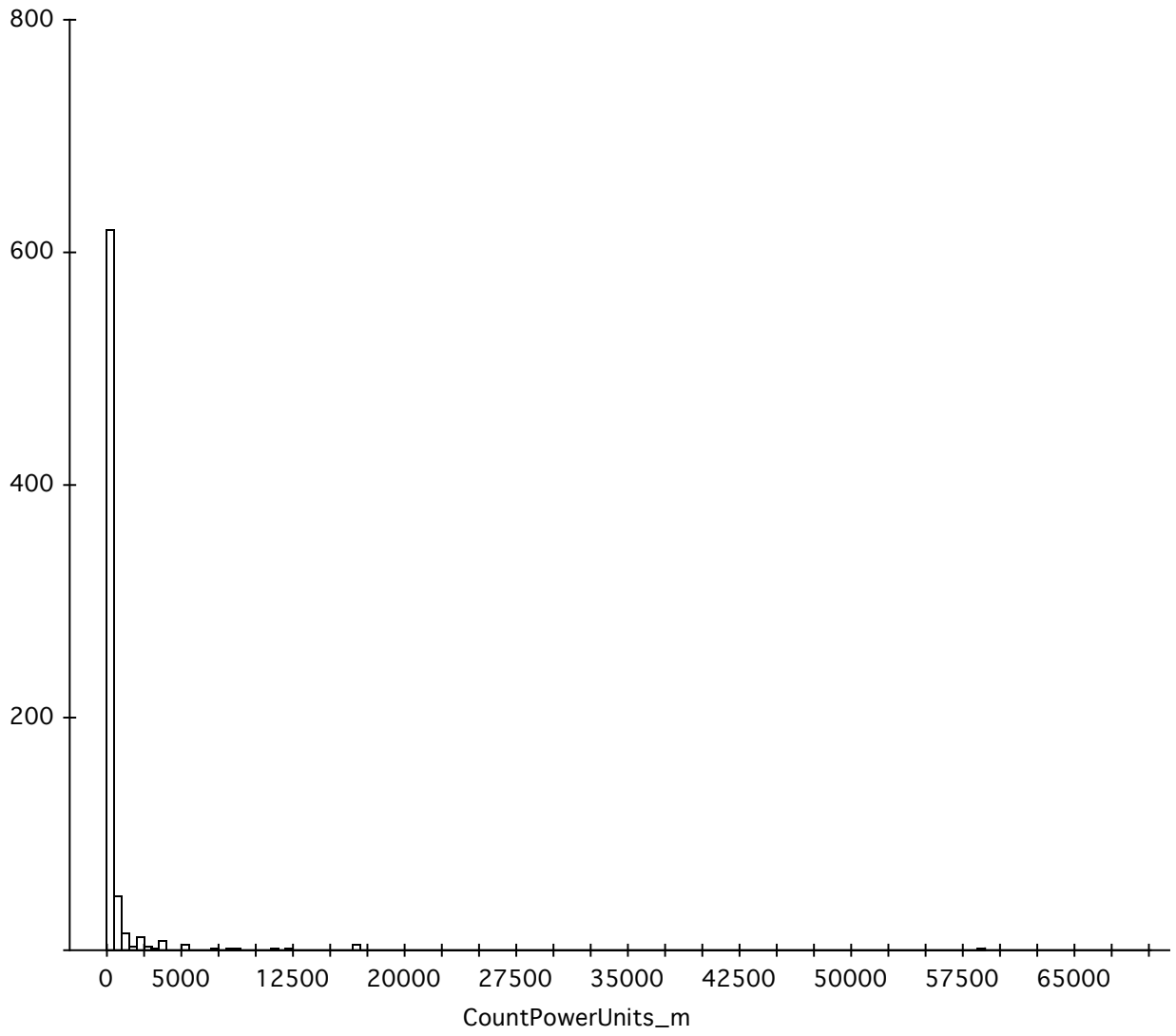
Total Cases	2284
Count	742
Mean	844.864
Median	39
StdDev	4244.30
Min	0
Max	58602
Lower 5th %tile	8
Upper 95th %tile	203

203

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<sup>203</sup> CountPowerUnits (continuous variable)



Summary of  
No Selector  
2284 total cases of which 1546 are missing

Mileage\_m

Percentile 25

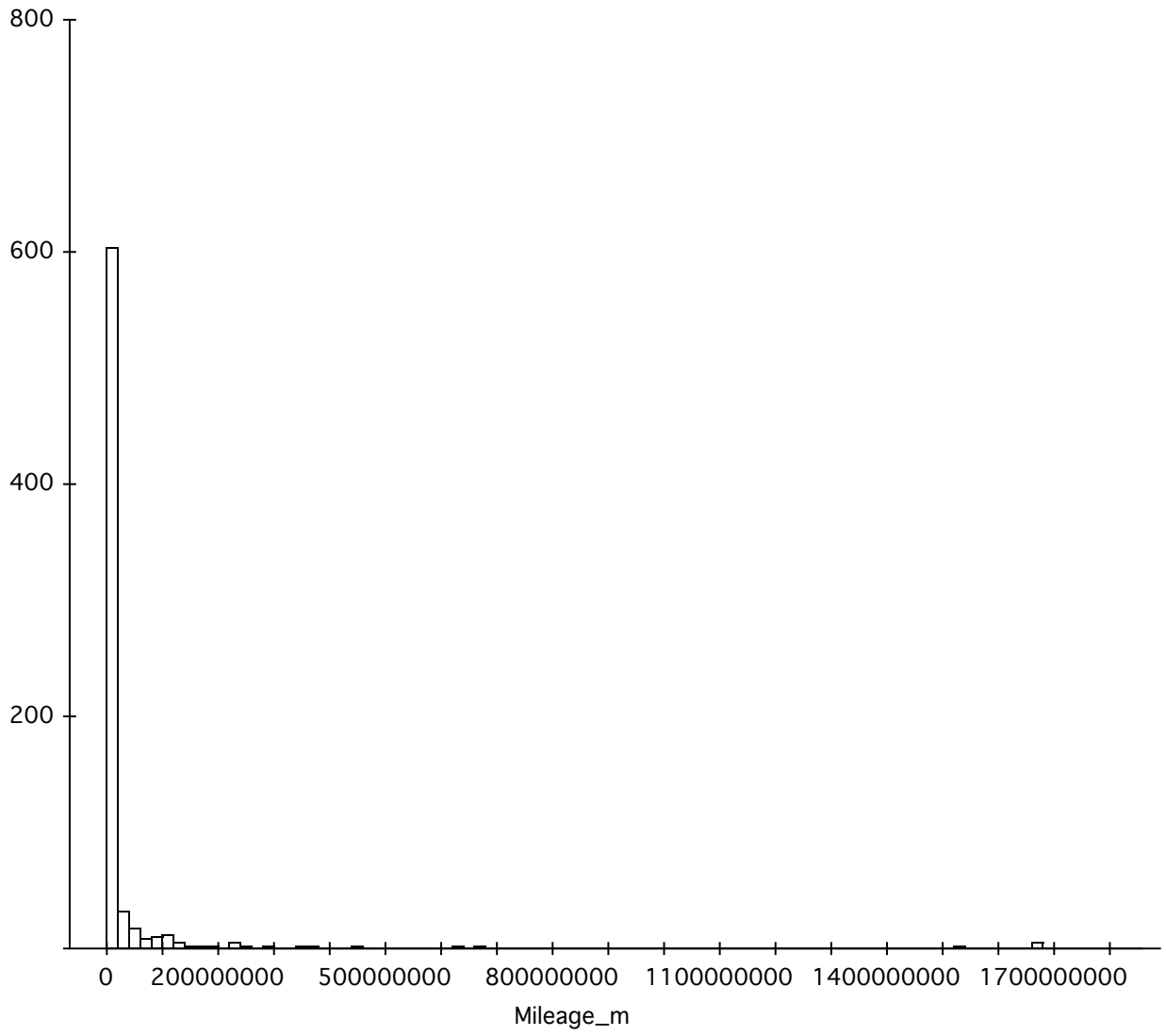
Total Cases	2284
Count	738
Mean	48798778
Median	800000
StdDev	203975359
Min	0
Max	1697000000
Lower ith %tile	0
Upper ith %tile	9720000

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204

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<sup>204</sup> Mileage (annual miles, continuous variable)



## SaferCrashSummary<sup>205</sup>

Frequency breakdown of		SCSFatalities_m			
No Selector					
2284 total cases of which 1588 are missing					
Total Cases		696			
Number of Categories		38			
Group	Count	Cumulative	Count	%	Cumulative %
0	369	369		53.017	53.017
0.25000000	148	517		21.264	74.282
0.50000000	62	579		8.908	83.190
0.75000000	21	600		3.017	86.207
1	19	619		2.730	88.937
1.25000000	7	626		1.006	89.943
1.50000000	8	634		1.149	91.092
1.75000000	7	641		1.006	92.098
2	2	643		0.287	92.385
2.25000000	1	644		0.144	92.529
2.50000000	3	647		0.431	92.960
2.75000000	8	655		1.149	94.109
3	1	656		0.144	94.253
3.25000000	1	657		0.144	94.397
3.50000000	2	659		0.287	94.684
3.75000000	2	661		0.287	94.971
4	1	662		0.144	95.115
4.50000000	3	665		0.431	95.546
4.75000000	1	666		0.144	95.690
5	1	667		0.144	95.833
5.25000000	2	669		0.287	96.121
5.75000000	2	671		0.287	96.408
6.25000000	2	673		0.287	96.695
6.50000000	5	678		0.718	97.414
7	1	679		0.144	97.557
7.75000000	1	680		0.144	97.701
10	1	681		0.144	97.845
10.50000000	1	682		0.144	97.989
11	2	684		0.287	98.276
11.25000000	1	685		0.144	98.420
13.75000000	1	686		0.144	98.563
14.25000000	1	687		0.144	98.707
16	1	688		0.144	98.851
17.50000000	1	689		0.144	98.994
17.75000000	1	690		0.144	99.138
20.50000000	1	691		0.144	99.282
22.25000000	4	695		0.575	99.856
23.25000000	1	696		0.144	100.000

<sup>205</sup> SCSFatalities

Summary of  
No Selector  
2284 total cases of which 1635 are missing

SCSFatalities\_m

Percentile 25

Total Cases	2284
Count	649
Mean	0.828582
Median	0
StdDev	2.81848
Min	0
Max	23.2500
Lower ith %tile	0
Upper ith %tile	0.500000

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Summary of  
No Selector  
2284 total cases of which 1635 are missing

SCSInjuries\_m

Percentile 25

Total Cases	2284
Count	649
Mean	8.92720
Median	0.750000
StdDev	31.8132
Min	0
Max	257.750
Lower ith %tile	0.250000
Upper ith %tile	2.75000

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206



Summary of  
No Selector  
2284 total cases of which 1635 are missing

SCSTowaway\_m

Percentile 25

Total Cases	2284
Count	649
Mean	12.4896
Median	0.750000
StdDev	48.8383
Min	0
Max	432.250
Lower ith %tile	0.250000
Upper ith %tile	3.50000

207

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SaferDriverInspections

Summary of  
No Selector  
2284 total cases of which 1933 are missing

NumOfInspections\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	351
<b>Mean</b>	2.21652
<b>Median</b>	1
<b>StdDev</b>	2.19059
<b>Min</b>	1
<b>Max</b>	18
<b>Lower ith %tile</b>	1
<b>Upper ith %tile</b>	2.75000

208

Frequency breakdown of  
No Selector  
2284 total cases of which 1933 are missing

NumOfInspections\_m

<b>Total Cases</b>	351
<b>Number of Categories</b>	13

Group	Count	Cumulative Count	%	Cumulative %
1	180	180	51.282	51.282
2	83	263	23.647	74.929
3	37	300	10.541	85.470
4	19	319	5.413	90.883
5	9	328	2.564	93.447
6	8	336	2.279	95.726
7	6	342	1.709	97.436
8	2	344	0.570	98.006
9	1	345	0.285	98.291
12	2	347	0.570	98.860
13	2	349	0.570	99.430
17	1	350	0.285	99.715
18	1	351	0.285	100.000

<sup>208</sup> NumOfInspections

Summary of  
No Selector  
2284 total cases of which 1933 are missing

SDITotalViolations\_m

Percentile 25

Total Cases	2284
Count	351
Mean	5.62678
Median	3
StdDev	6.60738
Min	0
Max	46
Lower 1st %tile	1
Upper 8th %tile	8

209

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<sup>209</sup> SDITotalViolations

Frequency breakdown of  
 No Selector  
 2284 total cases of which 1933 are missing

SDITotalViolations\_m

Total Cases 351  
 Number of Categories 30

Group	Count	Cumulative Count	%	Cumulative %
0	51	51	14.530	14.530
1	52	103	14.815	29.345
2	40	143	11.396	40.741
3	40	183	11.396	52.137
4	18	201	5.128	57.265
5	18	219	5.128	62.393
6	25	244	7.123	69.516
7	16	260	4.558	74.074
8	13	273	3.704	77.778
9	11	284	3.134	80.912
10	12	296	3.419	84.330
11	2	298	0.570	84.900
12	9	307	2.564	87.464
13	9	316	2.564	90.028
14	1	317	0.285	90.313
15	6	323	1.709	92.023
16	6	329	1.709	93.732
17	6	335	1.709	95.442
18	1	336	0.285	95.726
19	1	337	0.285	96.011
20	3	340	0.855	96.866
21	1	341	0.285	97.151
22	1	342	0.285	97.436
23	1	343	0.285	97.721
24	3	346	0.855	98.575
29	1	347	0.285	98.860
37	1	348	0.285	99.145
38	1	349	0.285	99.430
42	1	350	0.285	99.715
46	1	351	0.285	100.000

Summary of  
 No Selector  
 2284 total cases of which 1933 are missing

TotalOOS\_m

Percentile 25

Total Cases	2284
Count	351
Mean	1.25641
Median	0
StdDev	2.26332
Min	0
Max	15
Lower ith %tile	0
Upper ith %tile	2

210

Frequency breakdown of				TotalOOS_m	
No Selector					
2284 total cases of which 1933 are missing					
Total Cases		351			
Number of Categories		14			
Group	Count	Cumulative Count	%	Cumulative %	
0	196	196	55.840	55.840	
1	61	257	17.379	73.219	
2	37	294	10.541	83.761	
3	17	311	4.843	88.604	
4	15	326	4.274	92.877	
5	7	333	1.994	94.872	
6	4	337	1.140	96.011	
7	4	341	1.140	97.151	
8	2	343	0.570	97.721	
9	2	345	0.570	98.291	
10	2	347	0.570	98.860	
11	1	348	0.285	99.145	
13	1	349	0.285	99.430	
15	2	351	0.570	100.000	

<sup>210</sup> TotalOOS

## SaferInspectionsSummary

Summary of  
No Selector  
2284 total cases of which 1542 are missing

DriverInspections\_m

Percentile 25

Total Cases	2284
Count	742
Mean	1388.85
Median	89
StdDev	6139.73
Min	0
Max	62076
Lower ith %tile	19
Upper ith %tile	477

211

Summary of  
No Selector  
2284 total cases of which 1542 are missing

DriverOutOfService\_m

Percentile 25

Total Cases	2284
Count	742
Mean	65.3612
Median	4
StdDev	306.710
Min	0
Max	3100
Lower ith %tile	1
Upper ith %tile	23

212

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<sup>211</sup> DriverInspections (continuous variable)

<sup>212</sup> DriverOutOfService (continuous variable)

Summary of  
 No Selector  
 2284 total cases of which 1542 are missing

DriverOutOfServicePerc\_m

Percentile 25

Total Cases	2284
Count	742
Mean	6.30458
Median	4
StdDev	9.91565
Min	0
Max	67
Lower ith %tile	0
Upper ith %tile	7

213

Summary of  
 No Selector  
 2284 total cases of which 1552 are missing

DriverOOS %

Percentile 25

Total Cases	2284
Count	732
Mean	0.058751
Median	0.036390
StdDev	0.078144
Min	0
Max	0.714286
Lower ith %tile	0.005984
Upper ith %tile	0.076594

214

<sup>213</sup> DriverOutOfServicePerc. This is defective in the original.

<sup>214</sup> DriverOOS % created by Sound Science (continuous variable between 0 and 1).

Summary of  
 No Selector  
 2284 total cases of which 1542 are missing

DriverViolationsAverage\_m

Percentile 25

Total Cases	2284
Count	742
Mean	99730458221
Median	0
StdDev	2.99842e+11
Min	0
Max	1.00000e+12
Lower ith %tile	0
Upper ith %tile	0

215

Summary of  
 No Selector  
 2284 total cases of which 1542 are missing

VehicleInspections\_m

Percentile 25

Total Cases	2284
Count	742
Mean	898.142
Median	65
StdDev	3786.20
Min	0
Max	37747
Lower ith %tile	15
Upper ith %tile	321

216

<sup>215</sup> DriverViolationsAverage (continuous variable)

<sup>216</sup> VehicleInspections (continuous variable)



Summary of  
No Selector  
2284 total cases of which 1542 are missing

VehicleOutOfService\_m

Percentile 25

Total Cases	2284
Count	742
Mean	147.961
Median	15
StdDev	629.637
Min	0
Max	6338
Lower ith %tile	3
Upper ith %tile	61

217

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Summary of  
No Selector  
2284 total cases of which 1542 are missing

VehicleOutOfServicePerc\_m

Percentile 25

Total Cases	2284
Count	742
Mean	20.2197
Median	17
StdDev	17.0435
Min	0
Max	100
Lower ith %tile	9
Upper ith %tile	27

218

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VehicleOutOfServicePerc. This is defective in the original.

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<sup>217</sup> VehicleOutOfService (continuous variable)

<sup>218</sup> DriverOutOfServicePerc. This is defective in the original.

Summary of  
 No Selector  
 796 total cases of which 21 are missing

VehicleOOS %

Percentile 25

Total Cases	796
Count	775
Mean	0.227815
Median	0.186120
StdDev	0.174638
Min	0
Max	1
Lower ith %tile	0.121085
Upper ith %tile	0.277564

219

Summary of  
 No Selector  
 2284 total cases of which 1542 are missing

VehicleViolationsAverage\_m

Percentile 25

Total Cases	2284
Count	742
Mean	99730458221
Median	0
StdDev	2.99842e+11
Min	0
Max	1.00000e+12
Lower ith %tile	0
Upper ith %tile	1

220

<sup>219</sup> VehicleOOS % created by Sound Science (continuous variable between 0 and 1).

<sup>220</sup> VehicleViolationsAverage (continuous variable)

Summary of  
No Selector  
2284 total cases of which 1542 are missing

SISTotal\_m

Percentile 25

Total Cases	2284
Count	742
Mean	1407.47
Median	94
StdDev	6200.31
Min	0
Max	62663
Lower ith %tile	19
Upper ith %tile	488

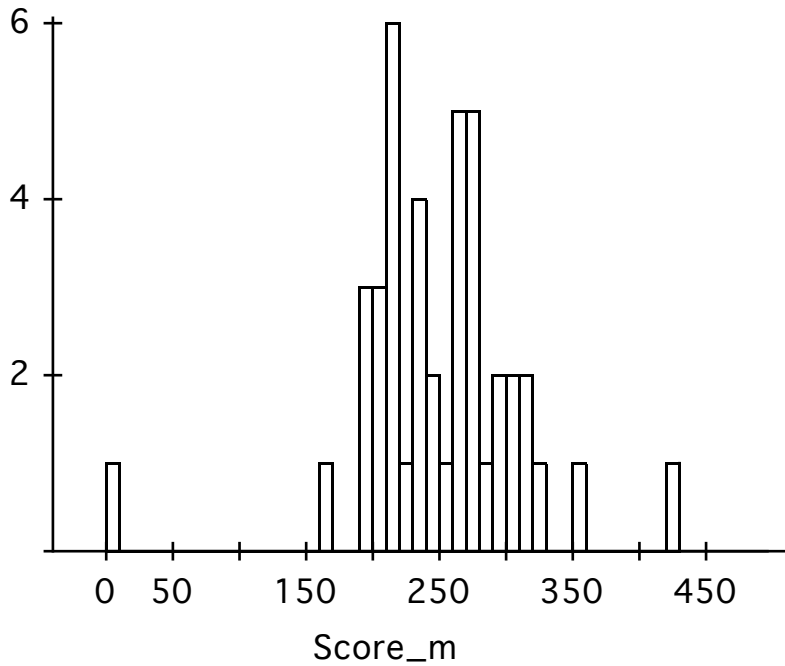
221

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<sup>221</sup> SISTotal (continuous variable)

## SafeStat



Summary of Score\_m  
No Selector  
2284 total cases of which 2242 are missing

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	42
<b>Mean</b>	250.192
<b>Median</b>	252.812
<b>StdDev</b>	63.2454
<b>Min</b>	0
<b>Max</b>	426.875
<b>Lower ith %tile</b>	215
<b>Upper ith %tile</b>	278.300

222

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<sup>222</sup> Score (continuous variable)

Frequency breakdown of **Score\_m**  
 No Selector  
 2284 total cases of which 2242 are missing

**Total Cases** 42  
**Number of Categories** 42

Group	Count	Cumulative	Count	%	Cumulative %
0	1	1		2.381	2.381
169.12500	1	2		2.381	4.762
193	1	3		2.381	7.143
199	1	4		2.381	9.524
199.33333	1	5		2.381	11.905
203.20000	1	6		2.381	14.286
205.66667	1	7		2.381	16.667
206.62500	1	8		2.381	19.048
212	1	9		2.381	21.429
213	1	10		2.381	23.810
215	1	11		2.381	26.190
217.50000	1	12		2.381	28.571
217.60000	1	13		2.381	30.952
217.85714	1	14		2.381	33.333
221.50000	1	15		2.381	35.714
231	1	16		2.381	38.095
236	1	17		2.381	40.476
238	1	18		2.381	42.857
239	1	19		2.381	45.238
246.33333	1	20		2.381	47.619
249.12500	1	21		2.381	50.000
256.50000	1	22		2.381	52.381
260	1	23		2.381	54.762
260.33333	1	24		2.381	57.143
264.33333	1	25		2.381	59.524
267	1	26		2.381	61.905
268.77778	1	27		2.381	64.286
274	1	28		2.381	66.667
277.16667	1	29		2.381	69.048
277.50000	1	30		2.381	71.429
278.14286	1	31		2.381	73.810
278.30000	1	32		2.381	76.190
286	1	33		2.381	78.571
291.66667	1	34		2.381	80.952
293.33333	1	35		2.381	83.333
302.10000	1	36		2.381	85.714
309	1	37		2.381	88.095
311.81818	1	38		2.381	90.476
316.66667	1	39		2.381	92.857
327	1	40		2.381	95.238
351.66667	1	41		2.381	97.619
426.87500	1	42		2.381	100.000

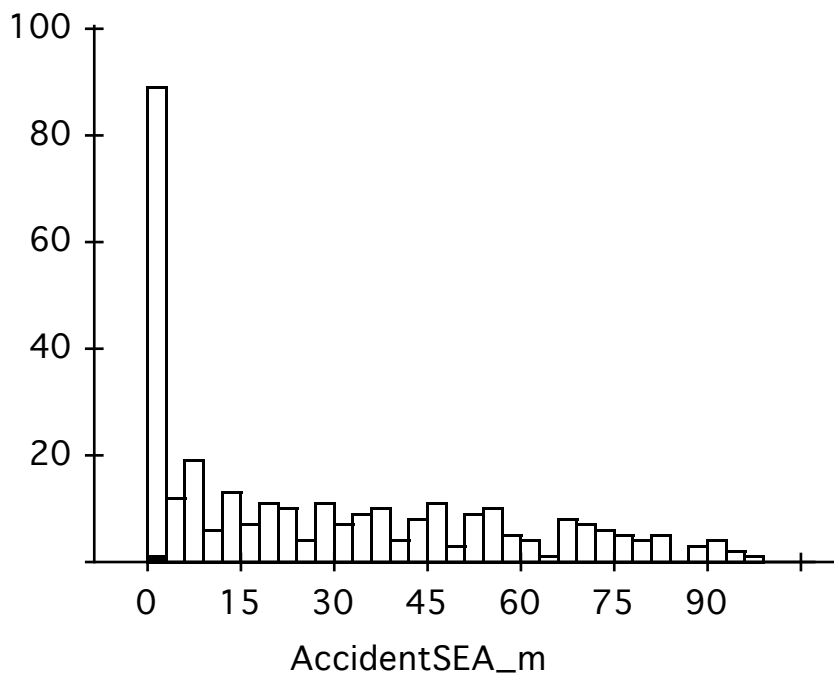
Summary of  
No Selector  
2284 total cases of which 1976 are missing

AccidentSEA\_m

Percentile 25

Total Cases	2284
Count	308
Mean	27.8979
Median	19.0974
StdDev	27.8775
Min	0
Max	98.5714
Lower ith %tile	0
Upper ith %tile	48.9792

223



<sup>223</sup> AccidentSEA (continuous variable)

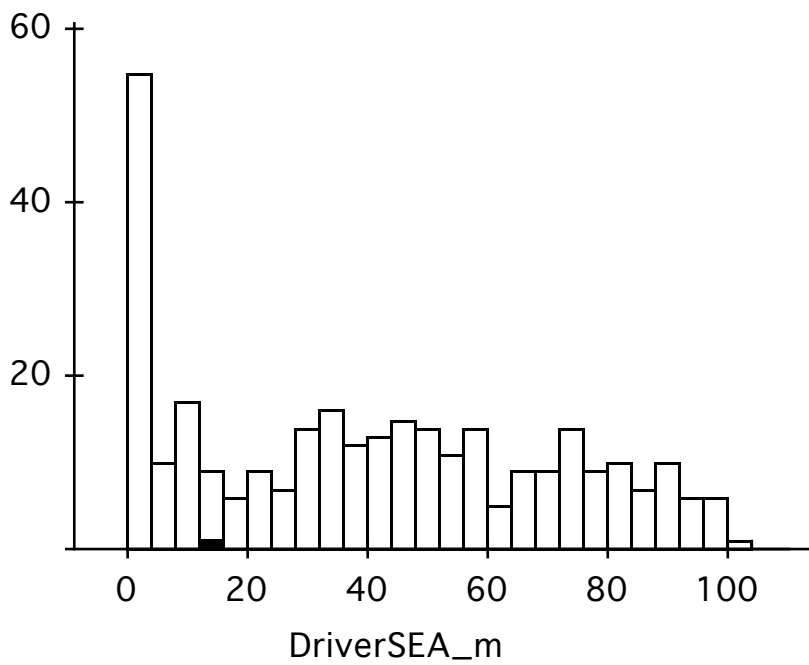
Summary of  
No Selector  
2284 total cases of which 1976 are missing

DriverSEA\_m

Percentile 25

Total Cases	2284
Count	308
Mean	40.3336
Median	39.3929
StdDev	30.2324
Min	0
Max	100
Lower ith %tile	10.7321
Upper ith %tile	65.1818

224



<sup>224</sup> DriverSEA (continuous variable)

Frequency breakdown of **SafetySEA\_m**  
 No Selector  
 2284 total cases of which 1976 are missing

**Total Cases** 308  
**Number of Categories** 48

Group	Count	Cumulative Count	%	Cumulative %
0	250	250	81.169	81.169
9	1	251	0.325	81.494
13	1	252	0.325	81.818
17.600000	1	253	0.325	82.143
24	1	254	0.325	82.468
26.500000	1	255	0.325	82.792
42.600000	1	256	0.325	83.117
48.400000	1	257	0.325	83.442
50.400000	1	258	0.325	83.766
52.700000	1	259	0.325	84.091
53.454545	1	260	0.325	84.416
56.833333	1	261	0.325	84.740
57	4	265	1.299	86.039
57.333333	1	266	0.325	86.364
57.400000	1	267	0.325	86.688
57.500000	1	268	0.325	87.013
58.333333	1	269	0.325	87.338
60	1	270	0.325	87.662
62	2	272	0.649	88.312
62.363636	1	273	0.325	88.636
63.375000	1	274	0.325	88.961
64	1	275	0.325	89.286
64.333333	1	276	0.325	89.610
65.571429	1	277	0.325	89.935
66	3	280	0.974	90.909
67.500000	1	281	0.325	91.234
69.166667	1	282	0.325	91.558
69.875000	1	283	0.325	91.883
70	3	286	0.974	92.857
71.181818	1	287	0.325	93.182
71.375000	1	288	0.325	93.506
71.428571	1	289	0.325	93.831
72.375000	1	290	0.325	94.156
73	2	292	0.649	94.805
74	1	293	0.325	95.130
74.250000	1	294	0.325	95.455
74.500000	1	295	0.325	95.779
75.727273	1	296	0.325	96.104
77	1	297	0.325	96.429
78	2	299	0.649	97.078
83.250000	1	300	0.325	97.403
83.545455	1	301	0.325	97.727
87.272727	1	302	0.325	98.052
88.600000	1	303	0.325	98.377
89	1	304	0.325	98.701
91	2	306	0.649	99.351
98	1	307	0.325	99.675
100	1	308	0.325	100.000



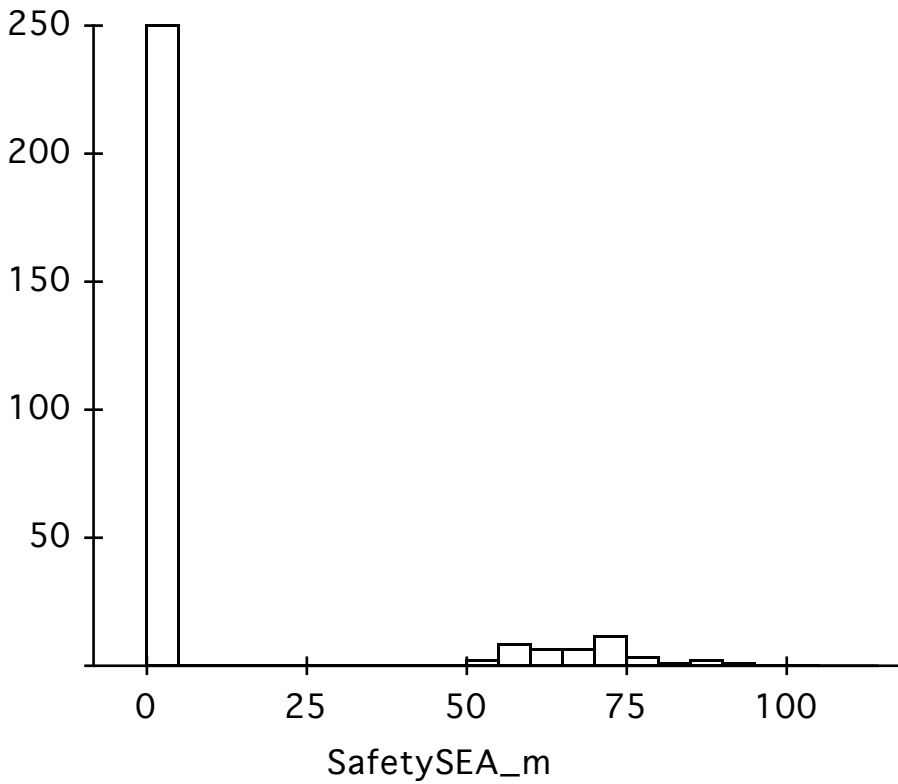
Summary of  
 No Selector  
 2284 total cases of which 1976 are missing

SafetySEA\_m

Percentile 25

<b>Total Cases</b>	2284
<b>Count</b>	308
<b>Mean</b>	12.1648
<b>Median</b>	0
<b>StdDev</b>	26.5756
<b>Min</b>	0
<b>Max</b>	100
<b>Lower ith %tile</b>	0
<b>Upper ith %tile</b>	0

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<sup>225</sup> SafetySEA (continuous variable)

## TruckUnits

Frequency breakdown of  
No Selector

NumberOfUnits\_m

2284 total cases of which 1161 are missing

Total Cases 1123  
Number of Categories 3

Group	Count	Cumulative Count	%	Cumulative %
1	330	330	29.386	29.386
2	737	1067	65.628	95.013
3	56	1123	4.987	100.000

226

Frequency breakdown of  
No Selector

TUNBodyTypeD\_m

2284 total cases of which 2101 are missing

Total Cases 183  
Number of Categories 15

Group	Count	Cumulative Count	%	Cumulative %
1	67	67	36.612	36.612
2	5	72	2.732	39.344
3	22	94	12.022	51.366
5	25	119	13.661	65.027
6	2	121	1.093	66.120
7	1	122	0.546	66.667
8	3	125	1.639	68.306
9	1	126	0.546	68.852
10	8	134	4.372	73.224
13	2	136	1.093	74.317
14	34	170	18.579	92.896
15	2	172	1.093	93.989
16	7	179	3.825	97.814
17	1	180	0.546	98.361
18	3	183	1.639	100.000

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<sup>226</sup> NumberOfUnits\_m. This uses the variable determining the position of vehicles ("TUNPosition") to determine the number of units in a particular configuration. 1 means straight truck, 2 means semi-trailer or truck-trailer, 3 means doubles, 4 means triples.

<sup>227</sup> TUNBodyType

Frequency breakdown of  
 No Selector  
 2284 total cases of which 2107 are missing

CargoTypeD\_m

Total Cases 177  
 Number of Categories 14

Group	Count	Cumulative Count	%	Cumulative %
0	38	38	21.469	21.469
1	44	82	24.859	46.328
2	5	87	2.825	49.153
3	10	97	5.650	54.802
4	8	105	4.520	59.322
5	1	106	0.565	59.887
6	6	112	3.390	63.277
7	2	114	1.130	64.407
9	1	115	0.565	64.972
10	36	151	20.339	85.311
11	6	157	3.390	88.701
13	2	159	1.130	89.831
14	13	172	7.345	97.175
16	5	177	2.825	100.000

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