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OOIDA 2003-2004 Cost of Operations Survey
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Report to
OOIDA Foundation Meeting
April 5, 2005
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The Wayne State University Trucking Industry Benchmarking Program (TIBP) has collected data from owner-drivers, attempting to document the cost-of-operations as well as net earnings of this vital segment of the trucking industry. The effort, in cooperation with the Owner Operator Independent Drivers Association, is the first effort to collect such data systematically.

Approximately 1,536 drivers responded to this on-line survey. The drivers accessed the TIBP survey through the OOIDA web page and were redirected to a server located at the University of Michigan Institute of Labor and Industrial Relations, which provided technical support. While a substantial fraction of these drivers were “just looking” to decide whether or not to proceed, and a substantial additional fraction of these driver entered some data but insufficient data to calculate their cost of operations, 421 drivers entered substantially complete data sufficient to calculate vital statistics reflecting the economic health of this sector.

Bias is an important consideration in this type of study. In this case, though participants were not required to be OOIDA members, they had to be sophisticated enough to collect and maintain detailed data on their cost and operations. They also had to be sophisticated enough to be able to use the web, since this was a web-based survey. Finally, and perhaps most critical, they had to trust OOIDA and the TIBP enough to enter these data on line and they also had to understand the value to themselves of developing this cost-of-operations profile and understand the value to their segment of the industry to have the results of this survey publicized.

The detailed findings can be found in the accompanying statistical analyses. The primary summary data, included in the main part of this report, describes the net returns to various subsectors of this sample. The appendix includes substantial detail on the primary variables themselves, providing additional detail for those who are interested.

The summary preliminary conclusion is that these drivers earn somewhat less than other non-union drivers, on average, while bearing all the risk associated with their jobs, including the risk of volatile fuel costs, capital investment, repair cost, delays of freight not of their own making, and market swings in freight rates and freight volumes. Their net compensation, while not insignificant, does not appear to warrant the risk and the

investment they undertake. While the median¹ owner-operator earns 32 cents per mile including both operating profit and wages paid to himself (compared to approximately 35 cents or 36 cents per mile for the average in the industry's non-union sector), a substantial fraction earn little or nothing. That is, many of these drivers earn so little revenue that their expenses outpace their revenues, putting them in a money-losing position throughout the year. While this seems inconceivable to most people, the dedication of these drivers and the energy they put into their work, as well as their apparent ambition to get a piece of the American Dream, seems to lead them to work for so little that they cannot cover their expenses, presumably hoping that next year will be better.

This survey, therefore, presents a challenge to the trucking industry, to the shippers and consignees they serve, and to public policy makers responsible for regulating the industry. One of the risks of the destructive level of competition in the truck transportation market is a high risk of unsafe operations among those earning the least money. Research has shown that there is a strong relationship between truck driver pay and safety. While this research (references available from the author) is based on employee drivers, there is no reason to believe that this same compensation/safety effect is not true among owner-operators.

This low compensation also presents a national security risk as well, since those who desperately work to break even might be at risk to engage in activities that put the nation at risk, whether intentionally or unintentionally, just trying to find a way from not going under. Such onerous conditions also exacerbate the driver shortage problem, and issue bedeviling the trucking industry. From an economic perspective, it is impossible to have a driver shortage. It is just a shortage of pay and conditions sufficient to attract and retain qualified drivers.

In summary, the problem of low compensation and low freight rates presents a great economic, safety, and security problem to the United States.

¹ The median is the "typical" driver, located exactly midway between the driver with the highest value and with the lowest value of any variable in the set. Averages tend to distort the affects of extremely high or low values, so it is a less reliable measure.

Summary Statistics

| Summary of | NetProfit&WagesFromTruckingOps |
|---|--------------------------------|
| cases selected according to | OneTruck |
| 421 total cases of which 83 are missing | |
| Total Cases | 421 |
| Count | 338 |
| Mean | 21,266.7 |
| Median | 17,988.5 |
| StdDev | 37,163.1 |
| PopStdv | 37,108.1 |
| Min | -149,571 |
| Max | 301,400 |

| Summary of | Loaded Miles per Truck |
|---|------------------------|
| No Selector | |
| 421 total cases of which 12 are missing | |
| Total Cases | 421 |
| Count | 409 |
| Mean | 89,155 |
| Median | 87,844 |
| StdDev | 43,631 |
| PopStdv | 43,578 |
| Min | 5,367 |
| Max | 280,000 |

| Summary of | MT Mi Per Truck |
|---|-----------------|
| No Selector | |
| 421 total cases of which 47 are missing | |
| Total Cases | 421 |
| Count | 374 |
| Mean | 18,711 |
| Median | 14,593 |
| StdDev | 18,098 |
| PopStdv | 18,074 |
| Min | 225 |
| Max | 145,000 |

| Summary of | TotalMilesPerTruck |
|---|--------------------|
| No Selector | |
| 421 total cases of which 48 are missing | |
| Total Cases | 421 |
| Count | 373 |
| Mean | 106,278 |
| Median | 106,000 |
| StdDev | 45,569 |
| PopStdv | 45,508 |
| Min | 7,087 |
| Max | 305,000 |

| Summary of | TotalAssets ² |
|-------------|--------------------------|
| No Selector | |
| Total Cases | 421 |
| Count | 421 |
| Mean | 106,444 |
| Median | 67,175 |
| StdDev | 178,627 |
| PopStdv | 178,415 |
| Min | 0 |
| Max | 2,769,000 |

| Summary of | TotalAssetsMktVal ³ |
|-------------|--------------------------------|
| No Selector | |
| Total Cases | 421 |
| Count | 421 |
| Mean | 86,094 |
| Median | 48,000 |
| StdDev | 171,806 |
| PopStdv | 171,602 |
| Min | 0 |
| Max | 2,654,000 |

² 'CO101_ValueTrucks'+ 'CO104_ValueTrailers'+ 'CO102_Equipment'+ 'CO109_garage'+ 'CO105_Cash'+ 'CO106_Excrow'+ 'CO107_Investments'+ 'CO108_Receivables'

³ 'CO110_MktValueTrucks'+ 'CO111_MktValueTrailers'+ 'CO102_Equipment'+ 'CO109_garage'+ 'CO105_Cash'+ 'CO106_Excrow'+ 'CO107_Investments'+ 'CO108_Receivables'

| Summary of | RevFromTruckingOpsPerTruck ⁴ |
|--|---|
| No Selector | |
| 421 total cases of which 4 are missing | |
| Total Cases | 421 |
| Count | 417 |
| Mean | 115,512 |
| Median | 110,306 |
| StdDev | 52,496 |
| PopStdv | 52,433 |
| Min | 185 |
| Max | 350,000 |

| Summary of | RevFromTruckingOpsPerTruck |
|---|----------------------------|
| cases selected according to | Owner-Drivers |
| 421 total cases of which 63 are missing | |
| Total Cases | 421 |
| Count | 358 |
| Mean | 118,798 |
| Median | 113,694 |
| StdDev | 51,055 |
| PopStdv | 50,983 |
| Min | 185 |
| Max | 350,000 |

| Summary of | RevFromTruckingOpsPerTruck |
|--|----------------------------|
| cases selected according to | OwnerDriverNoEes |
| 421 total cases of which 168 are missing | |
| Total Cases | 421 |
| Count | 253 |
| Mean | 112,545 |
| Median | 110,306 |
| StdDev | 47,313 |
| PopStdv | 47,220 |
| Min | 1,100 |
| Max | 346,285 |

⁴ 'CO301_GrossTruckRev'/'CO039a_TotalTrucks'

| Summary of | RevFromTruckingOpsPerMi ⁵ |
|---|--------------------------------------|
| No Selector | |
| 421 total cases of which 46 are missing | |
| Total Cases | 421 |
| Count | 375 |
| Mean | 1.20198 |
| Median | 1.05001 |
| StdDev | 0.766694 |
| PopStdv | 0.765671 |
| Min | 0.00111979 |
| Max | 8.4 |

| Summary of | RevFromTruckingOpsPerMi |
|---|-------------------------|
| cases selected according to | Owner-Drivers |
| 421 total cases of which 98 are missing | |
| Total Cases | 421 |
| Count | 323 |
| Mean | 1.1836 |
| Median | 1.00884 |
| StdDev | 0.798286 |
| PopStdv | 0.79705 |
| Min | 0.00111979 |
| Max | 8.4 |

| Summary of | RevFromTruckingOpsPerMi |
|--|-------------------------|
| cases selected according to | OwnerDriverNoEes |
| 421 total cases of which 194 are missing | |
| Total Cases | 421 |
| Count | 227 |
| Mean | 1.13562 |
| Median | 1 |
| StdDev | 0.522346 |
| PopStdv | 0.521195 |
| Min | 0.0243902 |
| Max | 5.11999 |

⁵ 'CO301_GrossTruckRev'/'TotalMi'

| Summary of | WageToSelfPerMi |
|---|-----------------|
| No Selector | |
| 421 total cases of which 48 are missing | |
| Total Cases | 421 |
| Count | 373 |
| Mean | 0.172455 |
| Median | 0.0666667 |
| StdDev | 0.265427 |
| PopStdv | 0.265071 |
| Min | 0 |
| Max | 2.14286 |

| Summary of | WageToSelfPerMi |
|---|-----------------|
| cases selected according to | Owner-Drivers |
| 421 total cases of which 98 are missing | |
| Total Cases | 421 |
| Count | 323 |
| Mean | 0.152318 |
| Median | 0.0661327 |
| StdDev | 0.214781 |
| PopStdv | 0.214448 |
| Min | 0 |
| Max | 1.90476 |

| Summary of | WageToSelfPerMi |
|--|------------------|
| cases selected according to | OwnerDriverNoEes |
| 421 total cases of which 196 are missing | |
| Total Cases | 421 |
| Count | 225 |
| Mean | 0.166001 |
| Median | 0.0496623 |
| StdDev | 0.268602 |
| PopStdv | 0.268004 |
| Min | 0 |
| Max | 2.14286 |

| Summary of | NetProfitFromTruckingOps |
|---|--------------------------|
| cases selected according to | Owner-Drivers |
| 421 total cases of which 76 are missing | |
| Total Cases | 421 |
| Count | 345 |
| Mean | 20,752 |
| Median | 17,700 |
| StdDev | 37,417 |
| PopStdv | 37,363 |
| Min | -149,571 |
| Max | 301,400 |

| Summary of | NetProfitFromTruckingOps |
|--|--------------------------|
| cases selected according to | OwnerDriverNoEes |
| 421 total cases of which 170 are missing | |
| Total Cases | 421 |
| Count | 251 |
| Mean | 26,311 |
| Median | 23,225 |
| StdDev | 38,399 |
| PopStdv | 38,323 |
| Min | -101,600 |
| Max | 222,737 |

| Summary of | NetProfitFromTruckingOps |
|---|--------------------------|
| No Selector | |
| 421 total cases of which 14 are missing | |
| Total Cases | 421 |
| Count | 407 |
| Mean | 26,810 |
| Median | 19,029 |
| StdDev | 82,352 |
| PopStdv | 82,250 |
| Min | -149571 |
| Max | 1,445,390 |

| Summary of | NetWage&TruckingOpsProfitPerMi |
|---|--------------------------------|
| No Selector | |
| 421 total cases of which 55 are missing | |
| Total Cases | 421 |
| Count | 366 |
| Mean | 0.334062 |
| Median | 0.318563 |
| StdDev | 0.437561 |
| PopStdv | 0.436963 |
| Min | -2.21786 |
| Max | 2.71921 |

¢

| Summary of | NetWage&TruckingOpsProfitPerMi |
|--|--------------------------------|
| cases selected according to | Owner-Drivers |
| 421 total cases of which 107 are missing | |
| Total Cases | 421 |
| Count | 314 |
| Mean | 0.334605 |
| Median | 0.320641 |
| StdDev | 0.441933 |
| PopStdv | 0.441228 |
| Min | -2.21786 |
| Max | 2.71921 |

| Summary of | CO603 WageSelf |
|--|------------------|
| cases selected according to | OwnerDriverNoEes |
| 422 total cases of which 165 are missing | |
| Total Cases | 422 |
| Count | 257 |
| Mean | 15,360 |
| Median | 4,000 |
| StdDev | 19,993 |
| PopStdv | 19,954 |
| Min | 0 |
| Max | 120,000 |

| | |
|--|------------------------|
| Summary of | NetWage&TruckOpsProfit |
| cases selected according to | OwnerDriverNoEes |
| 421 total cases of which 170 are missing | |
| Percentile | 25 |
| Total Cases | 421 |
| Count | 251 |
| Mean | \$41,776.90 |
| Median | \$39,790 |
| StdDev | 42069.7 |
| Min | -101600 |
| Max | 304737 |
| Lower ith %tile | 17868.8 |
| Upper ith %tile | 59707.5 |

| | |
|--|---|
| Summary of | NetWage&TruckingOpsProfitPerMi ⁶ |
| cases selected according to | OwnerDriverNoEes |
| 421 total cases of which 198 are missing | |
| Total Cases | 421 |
| Count | 223 |
| Mean | 0.379602 |
| Median | 0.364283 |
| StdDev | 0.391055 |
| PopStdv | 0.390177 |
| Min | -1.02643 |
| Max | 2.43015 |

| | |
|--|--------------------------------|
| Summary of | NetWage&TruckingOpsProfitPerMi |
| cases selected according to | Owner-Drivers |
| 421 total cases of which 108 are missing | |
| Total Cases | 421 |
| Count | 313 |
| Mean | 0.335838 |
| Median | 0.321264 |
| StdDev | 0.442099 |
| PopStdv | 0.441392 |
| Min | -2.21786 |
| Max | 2.71921 |

⁶ ('CO603_WageSelf'+NetProfitFromTruckingOps)'/TotalMi'

| Summary of | NetWage&TruckingOpsProfitPerMi |
|---|--------------------------------|
| No Selector | |
| 421 total cases of which 56 are missing | |
| Total Cases | 421 |
| Count | 365 |
| Mean | 0.335118 |
| Median | 0.319146 |
| StdDev | 0.437695 |
| PopStdv | 0.437095 |
| Min | -2.21786 |
| Max | 2.71921 |

| Summary of | WageToSelfPerMi |
|---|-----------------|
| cases selected according to | Owner-Drivers |
| 421 total cases of which 98 are missing | |
| Total Cases | 421 |
| Count | 323 |
| Mean | 0.152318 |
| Median | 0.0661327 |
| StdDev | 0.214781 |
| PopStdv | 0.214448 |
| Min | 0 |
| Max | 1.90476 |

| Summary of | WageToSelfPerMi |
|---|-----------------|
| No Selector | |
| 421 total cases of which 48 are missing | |
| Total Cases | 421 |
| Count | 373 |
| Mean | 0.172455 |
| Median | 0.0666667 |
| StdDev | 0.265427 |
| PopStdv | 0.265071 |
| Min | 0 |
| Max | 2.14286 |

| | |
|--|------------------|
| Summary of | WageToSelfPerMi |
| cases selected according to | OwnerDriverNoEes |
| 421 total cases of which 196 are missing | |
| Total Cases | 421 |
| Count | 225 |
| Mean | 0.166001 |
| Median | 0.0496623 |
| StdDev | 0.268602 |
| PopStdv | 0.268004 |
| Min | 0 |
| Max | 2.14286 |

| | |
|--|-------------------|
| Summary of | ROTA ⁷ |
| No Selector | |
| 421 total cases of which 141 are missing | |
| Total Cases | 421 |
| Count | 280 |
| Mean | 6.3154 |
| Median | 1.68467 |
| StdDev | 38.3955 |
| PopStdv | 38.3268 |
| Min | 0.0397112 |
| Max | 616.612 |

| | |
|--|--------------------------------------|
| Summary of | ReturnOnOperatingAssets ⁸ |
| No Selector | |
| 421 total cases of which 170 are missing | |
| Total Cases | 421 |
| Count | 251 |
| Mean | 0.769262 |
| Median | 0.388758 |
| StdDev | 5.66574 |
| PopStdv | 5.65445 |
| Min | -62.5556 |
| Max | 52.085 |

⁷ 'TotalRevenue'/'TotalAssets'

⁸ 'NetProfit'/('CO101_ValueTrucks'+ 'CO104_ValueTrailers')

Appendix

Frequency breakdown of CO702_Inc

No Selector

Total Cases 422

Number of Categories 2

Expected 211

Chi-square 85.545

| Group | Count | Cumulative Count | % | Cumulative % |
|-------|-------|------------------|--------|--------------|
| 0 | 306 | 306 | 72.512 | 72.512 |
| 1 | 116 | 422 | 27.488 | 100.000 |

Frequency breakdown of CO703a_OOIDA

No Selector

Total Cases 422

Number of Categories 2

Expected 211

Chi-square 145.744

| Group | Count | % |
|-------|-------|--------|
| 0 | 87 | 20.616 |
| 1 | 335 | 79.384 |

Frequency breakdown of CO703b_MidwestTruckers

Total Cases 422

Number of Categories 2

Group Count

0 419

1 3

Frequency breakdown of CO703c_IBT

Total Cases 422

Number of Categories 2

Group Count

0 415

1 7

| Frequency breakdown of CO703dT State Associations | |
|---|-------|
| 422 total cases of which 410 are missing | |
| Total Cases | 12 |
| Number of Categories | 12 |
| Group | Count |
| bcta | 1 |
| CTA | 1 |
| georgia | 1 |
| Louisiana Motor | 1 |
| maryland | 1 |
| mo | 1 |
| OH | 1 |
| okla | 1 |
| pa | 1 |
| PA | 1 |
| vt | 1 |
| Washington | 1 |

| Frequency breakdown of CO703e_Specialized Association | |
|---|-------|
| 422 total cases of which 416 are missing | |
| Total Cases | 422 |
| Number of Categories | 2 |
| Group | Count |
| 0 | 416 |
| 1 | 6 |

| Frequency breakdown of CO703eT | |
|--|-------|
| 422 total cases of which 416 are missing | |
| Total Cases | 6 |
| Number of Categories | 6 |
| Group | Count |
| California water | 1 |
| Explosives | 1 |
| Machinery Movers | 1 |
| okla | 1 |
| SC&RA | 1 |
| srca | 1 |

| Frequency breakdown of CO703f_Other | |
|--|-------|
| 422 total cases of which 410 are missing | |
| Total Cases | 422 |
| Number of Categories | 2 |
| Group | Count |
| 0 | 412 |
| 1 | 10 |

| | |
|--|---------|
| Frequency breakdown of | CO703fT |
| 422 total cases of which 415 are missing | |
| Total Cases | 7 |
| Number of Categories | 7 |
| Group | Count |
| NAIT | 1 |
| nait | 1 |
| nastec | 1 |
| OOIDA | 1 |
| ooida | 1 |
| PA Motor truck | 1 |
| TBA | 1 |

| | |
|--------------------------------|--------------|
| Frequency breakdown of | Trailer Type |
| Total Cases | 422 |
| Number of Categories | 24 |
| Group | Count |
| 53ft drop deck electric brake | 1 |
| Auto transport | 3 |
| Belt trailer | 1 |
| Boat | 1 |
| Climate Elect VA | 1 |
| Container | 2 |
| Drop deck | 27 |
| Dry Van | 170 |
| Dump | 12 |
| Electronics | 1 |
| Flatbed | 69 |
| Flatbed/stepdeck/lowboy | 1 |
| Grain | 4 |
| Horse | 1 |
| Household Goods | 1 |
| Livestock | 2 |
| Low boy | 4 |
| None specified | 1 |
| Other | 18 |
| Reefer | 72 |
| Straight dump truck/no trailer | 1 |
| Straight truck | 2 |
| Tanker | 26 |
| Tube Trailer | 1 |

| Frequency breakdown of 422 total cases of which 2 are missing | Freight Type |
|--|--------------|
| Total Cases | 420 |
| Number of Categories | 43 |
| Group | Count |
| Agricultural | 12 |
| Air freight | 1 |
| Aluminum | 1 |
| Asphal/Rock/Sand | 1 |
| Auto parts | 3 |
| Automobiles | 10 |
| Autos, campers | 1 |
| Boats | 2 |
| Building materials | 27 |
| Compressed Gas | 1 |
| Cryogenic liquid | 1 |
| Dry bulk | 4 |
| Electronics/Exhibits | 9 |
| Equipment/Machinery | 23 |
| Expedited | 1 |
| Explosives | 1 |
| Flowers | 2 |
| Frozen foods | 10 |
| General Commodities | 68 |
| Glass | 1 |
| Hazmat | 2 |
| Household goods | 4 |
| Liquids/Chemicals/Fuel | 18 |
| Livestock | 2 |
| Mail | 3 |
| Meat | 3 |
| Misc Dry Van | 90 |
| Misc dump | 7 |
| Misc flatbed | 24 |
| Misc food products | 11 |
| Misc Reefer Products | 21 |
| New furniture | 1 |
| Other | 15 |
| Paper | 2 |
| Printed paper | 1 |
| Produce | 17 |
| Recyclables | 1 |
| Scrap metal | 1 |
| Seafood | 1 |
| Solid waste | 1 |
| Steel | 14 |
| Stone/dirt | 1 |
| Trucks and trailers | 1 |

| Frequency breakdown of 422 total cases of which 2 are missing | Freight Type |
|--|--------------|
| Total Cases | 420 |
| Number of Categories | 43 |
| Group | Count |
| Agricultural | 12 |
| Air freight | 1 |
| Aluminum | 1 |
| Asphal/Rock/Sand | 1 |
| Auto parts | 3 |
| Automobiles | 10 |
| Autos, campers | 1 |
| Boats | 2 |
| Building materials | 27 |
| Compressed Gas | 1 |
| Cryogenic liquid | 1 |
| Dry bulk | 4 |
| Electronics/Exhibits | 9 |
| Equipment/Machinery | 23 |
| Expedited | 1 |
| Explosives | 1 |
| Flowers | 2 |
| Frozen foods | 10 |
| General Commodities | 68 |
| Glass | 1 |
| Hazmat | 2 |
| Household goods | 4 |
| Liquids/Chemicals/Fuel | 18 |
| Livestock | 2 |
| Mail | 3 |
| Meat | 3 |
| Misc Dry Van | 90 |
| Misc dump | 7 |
| Misc flatbed | 24 |
| Misc food products | 11 |
| Misc Reefer Products | 21 |
| New furniture | 1 |
| Other | 15 |
| Paper | 2 |
| Printed paper | 1 |
| Produce | 17 |
| Recycleables | 1 |
| Scrap metal | 1 |
| Seafood | 1 |
| Solid waste | 1 |
| Steel | 14 |
| Stone/dirt | 1 |
| Trucks and trailers | 1 |

Summary of CO704_EeDrivers
 Count 422
 Mean 0.63981
 Median 0
 StdDev 1.65939
 Min 0
 Max 22

Frequency breakdown of CO706a_Team
 No Selector
 Total Cases 422
 Number of Categories 2
 Group Count
 0 387
 1 35

Frequency breakdown of CO706b_TeamNonWageSpouse
 No Selector
 Total Cases 422
 Number of Categories 2
 Group Count
 0 380
 1 42

Summary of CO707a_Liability
 No Selector
 422 total cases of which 172 are missing
 Count 250
 Mean 1.15551e6
 Median 1e6
 StdDev 1.45064e6
 Min 4500
 Max 10e6

Summary of CO707b_LiabDeduct
 No Selector
 422 total cases of which 175 are missing
 Count 247
 Mean 1518
 Median 1000
 StdDev 1687.73
 Min 0
 Max 15000

Summary of CO708_LifeInsur
 No Selector
 422 total cases of which 232 are missing

| | |
|--------|--------|
| Count | 190 |
| Mean | 247985 |
| Median | 100000 |
| StdDev | 746382 |
| Min | 150 |
| Max | 10e6 |

Summary of CO031a_TrucksOwned
 No Selector
 422 total cases of which 327 are missing

| | |
|--------|---------|
| Count | 95 |
| Mean | 1.4 |
| Median | 1 |
| StdDev | 1.42471 |
| Min | 1 |
| Max | 12 |

Frequency breakdown of CO031a_TrucksOwned
 No Selector
 422 total cases of which 157 are missing

| | |
|----------------------|-----|
| Total Cases | 265 |
| Number of Categories | 7 |

| Group | Count |
|-------|-------|
| 0 | 170 |
| 1 | 79 |
| 2 | 10 |
| 3 | 2 |
| 4 | 2 |
| 8 | 1 |
| 12 | 1 |

| | |
|--|--------------------|
| Frequency breakdown of | CO031a_TrucksOwned |
| No Selector | |
| 422 total cases of which 157 are missing | |
| Total Cases | 265 |
| Number of Categories | 7 |
| Group | Count |
| 0 | 170 |
| 1 | 79 |
| 2 | 10 |
| 3 | 2 |
| 4 | 2 |
| 8 | 1 |
| 12 | 1 |

| | |
|--|-------------------|
| Summary of | CO032a_TrucksLoan |
| No Selector | |
| 422 total cases of which 258 are missing | |
| Count | 164 |
| Mean | 1.18902 |
| Median | 1 |
| StdDev | 0.890096 |
| Min | 1 |
| Max | 10 |

| | |
|--|---------------------|
| Summary of | CO032b_TruckLoanPmt |
| No Selector | |
| 422 total cases of which 161 are missing | |
| Count | 261 |
| Mean | 1602.05 |
| Median | 1400 |
| StdDev | 1236.33 |
| Min | 100 |
| Max | 9656 |

| | |
|--|-------------------|
| Summary of | CO033a_TruckLease |
| No Selector | |
| 422 total cases of which 406 are missing | |
| Count | 16 |
| Mean | 1.0625 |
| Median | 1 |
| StdDev | 0.25 |
| Min | 1 |
| Max | 2 |

| | |
|--|-------------------|
| Frequency breakdown of | CO033a_TruckLease |
| No Selector | |
| 422 total cases of which 167 are missing | |
| Total Cases | 255 |
| Number of Categories | 3 |
| Group | Count |
| 0 | 239 |
| 1 | 15 |
| 2 | 1 |

| | |
|--|----------------------|
| Summary of | CO033b_TruckLeasePmt |
| No Selector | |
| 422 total cases of which 405 are missing | |
| Count | 17 |
| Mean | 1610.88 |
| Median | 1436 |
| StdDev | 624.713 |
| Min | 712 |
| Max | 2500 |

| | |
|--|-------------------------|
| Summary of | CO034a_TrucksLeasePchse |
| No Selector | |
| 422 total cases of which 395 are missing | |
| Count | 27 |
| Mean | 1.25926 |
| Median | 1 |
| StdDev | 1.34715 |
| Min | 1 |
| Max | 8 |

| | |
|--|-------------------------|
| Frequency breakdown of | CO034a_TrucksLeasePchse |
| No Selector | |
| 422 total cases of which 172 are missing | |
| Total Cases | 250 |
| Number of Categories | 3 |
| Group | Count |
| 0 | 223 |
| 1 | 26 |
| 8 | 1 |

Summary of CO034b_TruckLeasePchsePmt
 No Selector
 422 total cases of which 382 are missing

| | |
|--------|---------|
| Count | 40 |
| Mean | 1473.13 |
| Median | 1261 |
| StdDev | 606.785 |
| Min | 350 |
| Max | 3048 |

Summary of CO039a_TotalTrucks
 No Selector
 422 total cases of which 3 are missing

| | |
|--------|---------|
| Count | 419 |
| Mean | 1.33652 |
| Median | 1 |
| StdDev | 1.27504 |
| Min | 1 |
| Max | 14 |

Frequency breakdown of CO039a_TotalTrucks
 No Selector
 422 total cases of which 2 are missing

| | |
|----------------------|-------|
| Total Cases | 420 |
| Number of Categories | 11 |
| Group | Count |
| 0 | 1 |
| 1 | 358 |
| 2 | 36 |
| 3 | 10 |
| 4 | 6 |
| 5 | 3 |
| 6 | 1 |
| 8 | 1 |
| 9 | 1 |
| 12 | 2 |
| 14 | 1 |

| | |
|---|-----------------------|
| Summary of | CO039b_TotalTruckPmts |
| No Selector | |
| 422 total cases of which 63 are missing | |
| Count | 359 |
| Mean | 1358.06 |
| Median | 1300 |
| StdDev | 1308.97 |
| Min | 0 |
| Max | 11400 |

| | |
|---|------------------|
| Summary of | TruckPmtPerTruck |
| No Selector | |
| 422 total cases of which 64 are missing | |
| Count | 358 |
| Mean | 1122.57 |
| Median | 1150 |
| StdDev | 800.567 |
| Min | 0 |
| Max | 4236 |

| | |
|--|----------------------|
| Summary of | CO041a_TrailersOwned |
| No Selector | |
| 422 total cases of which 344 are missing | |
| Count | 78 |
| Mean | 2.70513 |
| Median | 1 |
| StdDev | 5.62025 |
| Min | 1 |
| Max | 39 |

| | |
|--|----------------------|
| Frequency breakdown of | CO041a_TrailersOwned |
| No Selector | |
| 422 total cases of which 156 are missing | |
| Total Cases | 266 |
| Number of Categories | 12 |
| Group | Count |
| 0 | 188 |
| 1 | 55 |
| 2 | 9 |
| 3 | 4 |
| 4 | 1 |
| 5 | 2 |
| 6 | 1 |
| 8 | 2 |
| 9 | 1 |
| 12 | 1 |
| 30 | 1 |
| 39 | 1 |

| | |
|--|--------------------|
| Summary of | CO042a_TrailerLoan |
| No Selector | |
| 422 total cases of which 357 are missing | |
| Count | 65 |
| Mean | 1.43077 |
| Median | 1 |
| StdDev | 1.58083 |
| Min | 1 |
| Max | 12 |

| | |
|--|--------------------|
| Frequency breakdown of | CO042a_TrailerLoan |
| No Selector | |
| 422 total cases of which 167 are missing | |
| Total Cases | 255 |
| Number of Categories | 7 |
| Group | Count |
| 0 | 190 |
| 1 | 55 |
| 2 | 6 |
| 3 | 1 |
| 5 | 1 |
| 6 | 1 |
| 12 | 1 |

| | |
|--|------------------------|
| Summary of | CO042b_TrailerLoanPmts |
| No Selector | |
| 422 total cases of which 357 are missing | |
| Count | 65 |
| Mean | 802.277 |
| Median | 700 |
| StdDev | 582.645 |
| Min | 265 |
| Max | 3924 |

| | |
|--|------------------------|
| Summary of | CO042b_TrailerLoanPmts |
| No Selector | |
| 422 total cases of which 357 are missing | |
| Count | 65 |
| Mean | 802.277 |
| Median | 700 |
| StdDev | 582.645 |
| Min | 265 |
| Max | 3924 |

| | |
|--|---------------------|
| Frequency breakdown of | CO043a_TrailerLease |
| No Selector | |
| 422 total cases of which 180 are missing | |
| Total Cases | 242 |
| Number of Categories | 4 |
| Group | Count |
| 0 | 230 |
| 1 | 10 |
| 3 | 1 |
| 6 | 1 |

| | |
|--|------------------------|
| Summary of | CO043b_TrailerLeasePmt |
| No Selector | |
| 422 total cases of which 410 are missing | |
| Count | 12 |
| Mean | 1044.83 |
| Median | 350 |
| StdDev | 2202.21 |
| Min | 100 |
| Max | 8000 |

| | |
|--|--------------------------|
| Summary of | CO044a_TrailerLeasePchse |
| No Selector | |
| 422 total cases of which 406 are missing | |
| Count | 16 |
| Mean | 1.0625 |
| Median | 1 |
| StdDev | 0.25 |
| Min | 1 |
| Max | 2 |

| | |
|--|-----------------------------|
| Summary of | CO044b_TrailerLeasePchsePmt |
| No Selector | |
| 422 total cases of which 406 are missing | |
| Count | 16 |
| Mean | 612.188 |
| Median | 612.5 |
| StdDev | 284.523 |
| Min | 100 |
| Max | 1250 |

| | |
|-------------|----------------------|
| Summary of | CO049a_TotalTrailers |
| No Selector | |
| Count | 422 |
| Mean | 1.109 |
| Median | 0 |
| StdDev | 3.23541 |
| Min | 0 |
| Max | 39 |

| | |
|--|-------------------------|
| Summary of | CO049b_TotalTrailerPmts |
| No Selector | |
| 422 total cases of which 299 are missing | |
| Count | 123 |
| Mean | 767.268 |
| Median | 650 |
| StdDev | 807.049 |
| Min | 100 |
| Max | 8000 |

Summary of TrailerPmtPerTrailer
 No Selector
 422 total cases of which 301 are missing

| | |
|--------|---------|
| Count | 121 |
| Mean | 533.023 |
| Median | 475 |
| StdDev | 303.174 |
| Min | 17.8125 |
| Max | 1500 |

Frequency breakdown of CO009_OperationType
 No Selector
 422 total cases of which 22 are missing

| | |
|----------------------|---------|
| Total Cases | 400 |
| Number of Categories | 3 |
| Expected | 133.333 |
| Chi-square | 245.78 |

| Group | Count | % | Cumulative % |
|-------------------------|-------|--------|--------------|
| Exempt | 6 | 1.500 | 1.500 |
| Haul Under My Authority | 132 | 33.000 | 34.500 |
| Leased to carrier | 262 | 65.500 | 100.000 |

Frequency breakdown of Pay method
 No Selector
 422 total cases of which 124 are missing

| | |
|----------------------|---------|
| Total Cases | 298 |
| Number of Categories | 3 |
| Expected | 99.3333 |
| Chi-square | 156.49 |

| Group | Count | % |
|------------|-------|--------|
| Hourly | 3 | 1.007 |
| Mileage | 119 | 39.933 |
| Percentage | 176 | 59.060 |

Summary of CO012a LoadRate⁹
 No Selector
 422 total cases of which 280 are missing

| | |
|-------------|----------|
| Total Cases | 422 |
| Count | 142 |
| Mean | 1.08616 |
| Median | 0.925 |
| StdDev | 0.506455 |
| PopStdv | 0.504669 |
| Min | 0.55 |
| Max | 4 |

Summary of CO012b MTRate¹⁰
 No Selector
 422 total cases of which 287 are missing

| | |
|-------------|----------|
| Total Cases | 422 |
| Count | 135 |
| Mean | 0.687259 |
| Median | 0.84 |
| StdDev | 0.377867 |
| PopStdv | 0.376464 |
| Min | 0 |
| Max | 1.7 |

Frequency breakdown of Zero Pay MT
 No Selector

| | |
|----------------------|---------|
| Total Cases | 422 |
| Number of Categories | 2 |
| Expected | 211 |
| Chi-square | 327.924 |

| Group | Count | % |
|---------|-------|--------|
| 1 | 25 | 5.924 |
| missing | 397 | 94.076 |

⁹ Mileage rate, loaded

¹⁰ Mileage

Frequency breakdown of CO011_Brokers

No Selector

| | |
|----------------------|---------|
| Total Cases | 422 |
| Number of Categories | 2 |
| Expected | 211 |
| Chi-square | 21.8389 |

| Group | Count | % |
|-------|-------|--------|
| 0 | 259 | 61.374 |
| 1 | 163 | 38.626 |

Frequency breakdown of CO711_LoadFee (not rolled into rate)

No Selector

422 total cases of which 184 are missing

| | |
|----------------------|---------|
| Total Cases | 238 |
| Number of Categories | 2 |
| Expected | 119 |
| Chi-square | 60.5042 |

| Group | Count | % |
|-------|-------|--------|
| 0 | 179 | 75.210 |
| 1 | 59 | 24.790 |

Frequency breakdown of CO712_LoadFreeWait (in minutes)

No Selector

| | |
|----------------------|---------|
| Total Cases | 422 |
| Number of Categories | 9 |
| Expected | 46.8889 |
| Chi-square | 2213.21 |

| Group | Count | % |
|---------|-------|--------|
| 30 | 11 | 2.607 |
| 60 | 6 | 1.422 |
| 90 | 2 | 0.474 |
| 120 | 39 | 9.242 |
| 180 | 5 | 1.185 |
| 240 | 7 | 1.659 |
| 480 | 1 | 0.237 |
| 720 | 2 | 0.474 |
| missing | 349 | 82.701 |

| | |
|--|---------------------------------|
| Summary of | CO712_LoadFreeWait (in minutes) |
| No Selector | |
| 422 total cases of which 349 are missing | |
| Total Cases | 422 |
| Count | 73 |
| Mean | 137.671 |
| Median | 120 |
| StdDev | 121.227 |
| PopStdv | 120.393 |
| Min | 30 |
| Max | 720 |

| | |
|--|-----------------------------------|
| Summary of | CO713_DemurrageLoad ¹¹ |
| No Selector | |
| 422 total cases of which 341 are missing | |
| Total Cases | 422 |
| Count | 81 |
| Mean | 51.0988 |
| Median | 40 |
| StdDev | 36.5043 |
| PopStdv | 36.2783 |
| Min | 10 |
| Max | 200 |

| | |
|--|------------------------------|
| Summary of | CO714_TimeLoad ¹² |
| No Selector | |
| 422 total cases of which 311 are missing | |
| Total Cases | 422 |
| Count | 111 |
| Mean | 127.568 |
| Median | 90 |
| StdDev | 114.592 |
| PopStdv | 114.075 |
| Min | 30 |
| Max | 720 |

¹¹ dollars per hour

¹² typical loading time, including wait time, in minutes

Frequency breakdown of CO715_UnoadFee¹³

No Selector

| | |
|----------------------|---------|
| Total Cases | 422 |
| Number of Categories | 2 |
| Expected | 211 |
| Chi-square | 185.782 |

| Group | Count | % |
|-------|-------|--------|
| 0 | 351 | 83.175 |
| 1 | 71 | 16.825 |

Frequency breakdown of CO716_UnoadFreeWait

No Selector

422 total cases of which 329 are missing

| | |
|----------------------|---------|
| Total Cases | 93 |
| Number of Categories | 8 |
| Expected | 11.625 |
| Chi-square | 124.892 |

| Group | Count | % |
|-------|-------|--------|
| 30 | 26 | 27.957 |
| 60 | 9 | 9.677 |
| 90 | 1 | 1.075 |
| 120 | 41 | 44.086 |
| 180 | 5 | 5.376 |
| 240 | 8 | 8.602 |
| 300 | 1 | 1.075 |
| 720 | 2 | 2.151 |

Summary of CO716_UnoadFreeWait¹⁴

No Selector

422 total cases of which 329 are missing

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 93 |
| Mean | 117.097 |
| Median | 120 |
| StdDev | 110.764 |
| PopStdv | 110.167 |
| Min | 30 |
| Max | 720 |

¹³ not rolled into rate

¹⁴ in minutes

| | |
|--|-------------------------------------|
| Summary of | CO717_DemurrageUnload ¹⁵ |
| No Selector | |
| 422 total cases of which 339 are missing | |
| Total Cases | 422 |
| Count | 83 |
| Mean | 47.0241 |
| Median | 50 |
| StdDev | 24.981 |
| PopStdv | 24.83 |
| Min | 10 |
| Max | 150 |

| | |
|--|-------------------------------|
| Summary of | CO718_TimeUnoad ¹⁶ |
| No Selector | |
| 422 total cases of which 299 are missing | |
| Total Cases | 422 |
| Count | 123 |
| Mean | 120 |
| Median | 90 |
| StdDev | 98.7545 |
| PopStdv | 98.3523 |
| Min | 30 |
| Max | 720 |

| | |
|---|------------------------|
| Summary of | Loaded Miles per Truck |
| No Selector | |
| 422 total cases of which 11 are missing | |
| Total Cases | 422 |
| Count | 411 |
| Mean | 89791.5 |
| Median | 87536 |
| StdDev | 48216.4 |
| PopStdv | 48157.7 |
| Min | 5 |
| Max | 500000 |

¹⁵ dollars per hour

¹⁶ in minutes

| | |
|---|-----------------|
| Summary of | MT Mi Per Truck |
| No Selector | |
| 422 total cases of which 47 are missing | |
| Total Cases | 422 |
| Count | 375 |
| Mean | 18628.5 |
| Median | 14000 |
| StdDev | 18099 |
| PopStdv | 18074.9 |
| Min | 225 |
| Max | 145000 |

| | |
|---|------------------|
| Summary of | CO016_DaysOnRoad |
| No Selector | |
| 422 total cases of which 44 are missing | |
| Total Cases | 422 |
| Count | 378 |
| Mean | 188.132 |
| Median | 225 |
| StdDev | 117.554 |
| PopStdv | 117.399 |
| Min | 0 |
| Max | 365 |

| | |
|--|-----------------|
| Summary of | CO051_MonthsRun |
| No Selector | |
| 422 total cases of which 6 are missing | |
| Total Cases | 422 |
| Count | 416 |
| Mean | 10.9712 |
| Median | 12 |
| StdDev | 2.06033 |
| PopStdv | 2.05785 |
| Min | 1 |
| Max | 12 |

Summary of CO017_StatesRun

No Selector

422 total cases of which 5 are missing

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 417 |
| Mean | 24.3165 |
| Median | 21 |
| StdDev | 17.4692 |
| PopStdv | 17.4483 |
| Min | 1 |
| Max | 52 |

Summary of CO018_NightsOnRoad

No Selector

422 total cases of which 24 are missing

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 398 |
| Mean | 200.088 |
| Median | 232 |
| StdDev | 107.98 |
| PopStdv | 107.844 |
| Min | 0 |
| Max | 365 |

Summary of TractorFuelPerTruck

No Selector

422 total cases of which 48 are missing

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 374 |
| Mean | 19334.7 |
| Median | 18025.6 |
| StdDev | 10635.3 |
| PopStdv | 10621.1 |
| Min | 862.5 |
| Max | 76000 |

| | |
|---|---------|
| Summary of | MPG |
| No Selector | |
| 422 total cases of which 77 are missing | |
| Total Cases | 422 |
| Count | 345 |
| Mean | 6.0867 |
| Median | 5.73311 |
| StdDev | 2.50507 |
| PopStdv | 2.50144 |
| Min | 0.0528 |
| Max | 25.5 |

| | |
|--|-----------------|
| Summary of | CO199_TotAssets |
| No Selector | |
| 422 total cases of which 2 are missing | |
| Total Cases | 422 |
| Count | 420 |
| Mean | 139034 |
| Median | 91000 |
| StdDev | 220833 |
| PopStdv | 220570 |
| Min | 27 |
| Max | 3.374e6 |

| | |
|-------------|----------------|
| Summary of | CO399_TotalRev |
| No Selector | |
| Total Cases | 422 |
| Count | 422 |
| Mean | 176577 |
| Median | 119987 |
| StdDev | 449668 |
| PopStdv | 449135 |
| Min | 1100 |
| Max | 8.16214e6 |

| Summary of | FuelCostPerGallon |
|---|-------------------|
| No Selector | |
| 422 total cases of which 50 are missing | |
| Total Cases | 422 |
| Count | 372 |
| Mean | 1.70876 |
| Median | 1.53326 |
| StdDev | 0.810522 |
| PopStdv | 0.809432 |
| Min | 0.0270818 |
| Max | 9.70667 |

Summaries

Summary of ValueOperatingAssets¹⁷

No Selector

| | |
|-------------|---------|
| Total Cases | 421 |
| Count | 421 |
| Mean | 52129 |
| Median | 40000 |
| StdDev | 67786.6 |
| PopStdv | 67706 |
| Min | 0 |
| Max | 720000 |

Summary of TotalAssets

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 106612 |
| Median | 67262.5 |
| StdDev | 178448 |
| PopStdv | 178237 |
| Min | 0 |
| Max | 2.769e6 |

Summary of TotalAssetsMktVal¹⁸

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 86274.9 |
| Median | 48000 |
| StdDev | 171642 |
| PopStdv | 171438 |
| Min | 0 |
| Max | 2.654e6 |

¹⁷ 'CO101_ValueTrucks'+ 'CO104_ValueTrailers'

¹⁸ since this is a value judgement, I think we need to use Total Assets, which comes from taxable value

Summary of CO403_PL-PD

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 3390.59 |
| Median | 1560 |
| StdDev | 7347.36 |
| PopStdv | 7338.65 |
| Min | 0 |
| Max | 110800 |

Summary of CO404_BobtailIns

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 405.223 |
| Median | 40 |
| StdDev | 746.264 |
| PopStdv | 745.38 |
| Min | 0 |
| Max | 6000 |

Summary of CO405_CargoIns

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 634.261 |
| Median | 0 |
| StdDev | 2002.5 |
| PopStdv | 2000.12 |
| Min | 0 |
| Max | 23712 |

Summary of CO405_CargoIns

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 634.261 |
| Median | 0 |
| StdDev | 2002.5 |
| PopStdv | 2000.12 |
| Min | 0 |
| Max | 23712 |

Summary of CO406a_PrimaryLiability
 Total Cases 422
 Count 422
 Mean 1692.59
 Median 0
 StdDev 8304.51
 PopStdv 8294.67
 Min 0
 Max 137147

Summary of TotalFixedExpPerTruck
 No Selector
 422 total cases of which 4 are missing
 Total Cases 422
 Count 418
 Mean 20218.3
 Median 15646.3
 StdDev 15431.6
 PopStdv 15413.1
 Min 456
 Max 98100

Summary of CO407a_PrimaryMed
 No Selector
 Total Cases 422
 Count 422
 Mean 1583.87
 Median 0
 StdDev 3064.83
 PopStdv 3061.2
 Min 0
 Max 23000

Summary of CO407b_SecondaryMed
 No Selector
 Total Cases 422
 Count 422
 Mean 39.5403
 Median 0
 StdDev 291.591
 PopStdv 291.246
 Min 0
 Max 4172

Summary of CO411a_PrimaryDisability

| | |
|-------------|---------|
| No Selector | |
| Total Cases | 422 |
| Count | 422 |
| Mean | 178.967 |
| Median | 0 |
| StdDev | 764.421 |
| PopStdv | 763.515 |
| Min | 0 |
| Max | 11880 |

Summary of CO411b_SecondaryDisability

| | |
|-------------|---------|
| No Selector | |
| Total Cases | 422 |
| Count | 422 |
| Mean | 8.17062 |
| Median | 0 |
| StdDev | 123.726 |
| PopStdv | 123.579 |
| Min | 0 |
| Max | 2400 |

Summary of CO412_LifeInsur

| | |
|-------------|---------|
| No Selector | |
| Total Cases | 422 |
| Count | 422 |
| Mean | 417.68 |
| Median | 0 |
| StdDev | 997.422 |
| PopStdv | 996.24 |
| Min | 0 |
| Max | 10000 |

Summary of CO408_WkrsComp

| | |
|-------------|---------|
| No Selector | |
| Total Cases | 422 |
| Count | 422 |
| Mean | 1215.87 |
| Median | 0 |
| StdDev | 6448.1 |
| PopStdv | 6440.46 |
| Min | 0 |
| Max | 119663 |

Summary of CO409_Plates

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 1988.32 |
| Median | 1600 |
| StdDev | 2949 |
| PopStdv | 2945.5 |
| Min | 0 |
| Max | 42402 |

Summary of CO410_Permits

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 530.488 |
| Median | 43.5 |
| StdDev | 1563.21 |
| PopStdv | 1561.35 |
| Min | 0 |
| Max | 15000 |

Before changing missing (blanks) to zero:

Summary of TotalFixedExp

No Selector

422 total cases of which 365 are missing

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 57 |
| Mean | 27665.3 |
| Median | 23145 |
| StdDev | 20255.5 |
| PopStdv | 20077 |
| Min | 0 |
| Max | 81700 |

| Summary of | TotalFixedExp |
|---------------------------------------|---------------|
| No Selector | |
| 422 total cases of which 1 is missing | |
| Total Cases | 422 |
| Count | 421 |
| Mean | 26345.4 |
| Median | 17400 |
| StdDev | 37625.1 |
| PopStdv | 37580.4 |
| Min | 456 |
| Max | 483579 |

| Summary of | TotalFixedExpPerTruck |
|--|-----------------------|
| No Selector | |
| 422 total cases of which 4 are missing | |
| Total Cases | 422 |
| Count | 418 |
| Mean | 20218.3 |
| Median | 15646.3 |
| StdDev | 15431.6 |
| PopStdv | 15413.1 |
| Min | 456 |
| Max | 98100 |

| Summary of | CO501_TracFuel |
|---|----------------|
| No Selector | |
| 422 total cases of which 11 are missing | |
| Total Cases | 422 |
| Count | 411 |
| Mean | 39970.5 |
| Median | 30000 |
| StdDev | 51829.9 |
| PopStdv | 51766.8 |
| Min | 270 |
| Max | 582628 |

| | |
|---|---------------------|
| Summary of | TractorFuelPerTruck |
| No Selector | |
| 422 total cases of which 14 are missing | |
| Total Cases | 422 |
| Count | 408 |
| Mean | 30432 |
| Median | 27834.5 |
| StdDev | 18611.2 |
| PopStdv | 18588.4 |
| Min | 270 |
| Max | 155000 |

| | |
|---|-------------------|
| Summary of | FuelCostPerGallon |
| No Selector | |
| 422 total cases of which 50 are missing | |
| Total Cases | 422 |
| Count | 372 |
| Mean | 1.70876 |
| Median | 1.53326 |
| StdDev | 0.810522 |
| PopStdv | 0.809432 |
| Min | 0.0270818 |
| Max | 9.70667 |

| | |
|--|--------------------------------|
| Summary of | CO502_ReeferFuel ¹⁹ |
| No Selector | |
| 422 total cases of which 159 are missing | |
| Total Cases | 422 |
| Count | 263 |
| Mean | 994.924 |
| Median | 0 |
| StdDev | 3418.92 |
| PopStdv | 3412.41 |
| Min | 0 |
| Max | 25000 |

¹⁹ those that use reefer fuel

Summary of CO502_ReeferFuel²⁰

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 620.059 |
| Median | 0 |
| StdDev | 2739.96 |
| PopStdv | 2736.71 |
| Min | 0 |
| Max | 25000 |

Summary of CO503_Wash

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 772.874 |
| Median | 500 |
| StdDev | 1171.67 |
| PopStdv | 1170.28 |
| Min | 0 |
| Max | 17000 |

Summary of CO504_Meals-PerDiem

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 5220.27 |
| Median | 2547.5 |
| StdDev | 9383.16 |
| PopStdv | 9372.04 |
| Min | 0 |
| Max | 140952 |

Summary of CO505_Phone

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 3255.24 |
| Median | 1700 |
| StdDev | 18985 |
| PopStdv | 18962.5 |
| Min | 0 |
| Max | 387584 |

²⁰ all

Summary of CO506_Tolls

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 1556.26 |
| Median | 431.5 |
| StdDev | 5594.16 |
| PopStdv | 5587.53 |
| Min | 0 |
| Max | 91143 |

Summary of CO507_Load-UnloadFees

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 962.874 |
| Median | 0 |
| StdDev | 4157.86 |
| PopStdv | 4152.93 |
| Min | 0 |
| Max | 45176 |

Summary of CO508_Tires

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 2859.81 |
| Median | 2308.5 |
| StdDev | 4521.67 |
| PopStdv | 4516.31 |
| Min | 0 |
| Max | 66797 |

Summary of CO510_PM

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 2823.35 |
| Median | 1771.5 |
| StdDev | 5656.95 |
| PopStdv | 5650.24 |
| Min | 0 |
| Max | 79335 |

Summary of CO511_Repair

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 7889.48 |
| Median | 4377.5 |
| StdDev | 15884.7 |
| PopStdv | 15865.8 |
| Min | 0 |
| Max | 220068 |

Summary of CO512_Lodging

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 343.59 |
| Median | 0 |
| StdDev | 1038.81 |
| PopStdv | 1037.58 |
| Min | 0 |
| Max | 15219 |

Summary of CO513_Fines

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 200.735 |
| Median | 0 |
| StdDev | 998.406 |
| PopStdv | 997.223 |
| Min | 0 |
| Max | 15928 |

Summary of CO514_Legal

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 261.647 |
| Median | 0 |
| StdDev | 940.563 |
| PopStdv | 939.448 |
| Min | 0 |
| Max | 12308 |

Summary of CO515_Professional
 No Selector
 Total Cases 422
 Count 422
 Mean 934.23
 Median 275
 StdDev 4195.83
 PopStdv 4190.86
 Min 0
 Max 74130

Summary of CO516_DriverWages
 No Selector
 Total Cases 422
 Count 422
 Mean 12659.8
 Median 0
 StdDev 43469.4
 PopStdv 43417.9
 Min 0
 Max 395041

Summary of CO517_RoadTax
 No Selector
 Total Cases 422
 Count 422
 Mean 1799.41
 Median 870
 StdDev 3125.91
 PopStdv 3122.2
 Min 0
 Max 32000

Summary of CO518_MiscExp
 No Selector
 Total Cases 422
 Count 422
 Mean 2758.32
 Median 411.5
 StdDev 10972.3
 PopStdv 10959.3
 Min 0
 Max 136539

Summary of CO519_Satellite

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 200.874 |
| Median | 0 |
| StdDev | 840.503 |
| PopStdv | 839.506 |
| Min | 0 |
| Max | 12000 |

Summary of CO520_Factoring

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 631.159 |
| Median | 0 |
| StdDev | 4013.96 |
| PopStdv | 4009.2 |
| Min | 0 |
| Max | 60205 |

Summary of CO521_Brokers

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 1626.58 |
| Median | 0 |
| StdDev | 15738.2 |
| PopStdv | 15719.5 |
| Min | 0 |
| Max | 311299 |

Summary of CO522_EePayrollTax

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 1296.7 |
| Median | 0 |
| StdDev | 5451.09 |
| PopStdv | 5444.63 |
| Min | 0 |
| Max | 61254 |

Summary of CO523_AdvanceFees
 No Selector
 Total Cases 422
 Count 422
 Mean 205.325
 Median 0
 StdDev 1813.54
 PopStdv 1811.39
 Min 0
 Max 36244

Summary of CO524_Uncollectable
 No Selector
 Total Cases 422
 Count 422
 Mean 542.827
 Median 0
 StdDev 4458.62
 PopStdv 4453.33
 Min 0
 Max 85000

Summary of CO525_CollectionsFees
 No Selector
 Total Cases 422
 Count 422
 Mean 35.0024
 Median 0
 StdDev 407.005
 PopStdv 406.523
 Min 0
 Max 6500

Summary of CO526_Dues
 No Selector
 Total Cases 422
 Count 422
 Mean 176.18
 Median 45
 StdDev 572.816
 PopStdv 572.137
 Min 0
 Max 9000

Summary of CO527_Uniforms

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 383.519 |
| Median | 100 |
| StdDev | 1469.93 |
| PopStdv | 1468.19 |
| Min | 0 |
| Max | 28038 |

Summary of CO528_Showers

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 76.7014 |
| Median | 0 |
| StdDev | 259.117 |
| PopStdv | 258.81 |
| Min | 0 |
| Max | 3416 |

Summary of CO529_Laundry

No Selector

| | |
|-------------|---------|
| Total Cases | 422 |
| Count | 422 |
| Mean | 67.2346 |
| Median | 0 |
| StdDev | 221.986 |
| PopStdv | 221.722 |
| Min | 0 |
| Max | 3209 |