



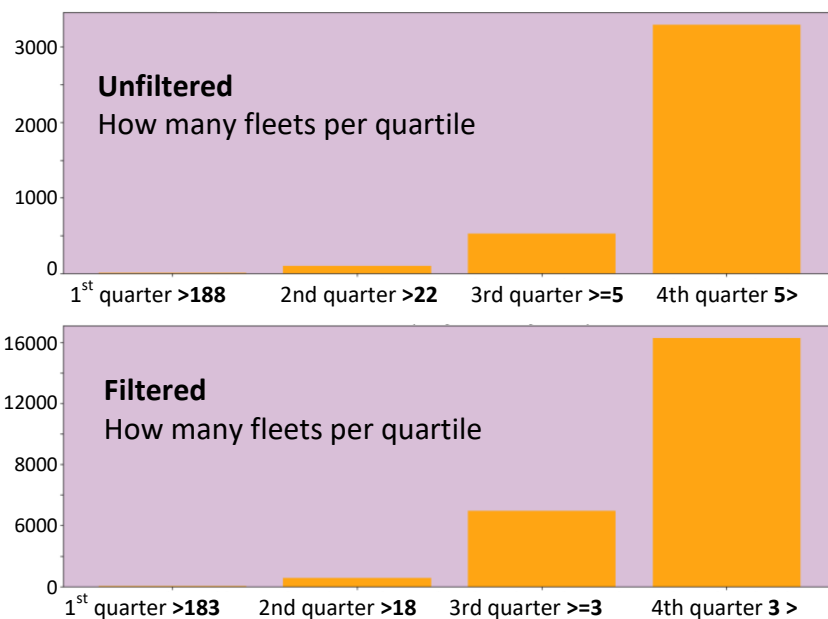
## Oregon Diesel truck ownership

Analysis by quartile by  
Doug Loqa 2/20/2024

In December of 2023, Cascadia Action obtained new records from the Oregon Department of Transportation (ODOT) and the Oregon Driver and Motor Vehicle Services (DMV). These 522,262 records include all on-road commercial, government, and personal diesel vehicles registered in Oregon. Data analyst Doug Loqa used Python to rank all commercial and government on-road diesel vehicles by fleet size, with and without a diesel particulate filter installed.

This graph below shows that most Oregon on-road diesel vehicle fleets owners have smaller fleets. The overwhelming majority of fleet owners of commercial diesel trucks have less than five trucks if their trucks are unfiltered, or less than three trucks if their trucks are filtered.

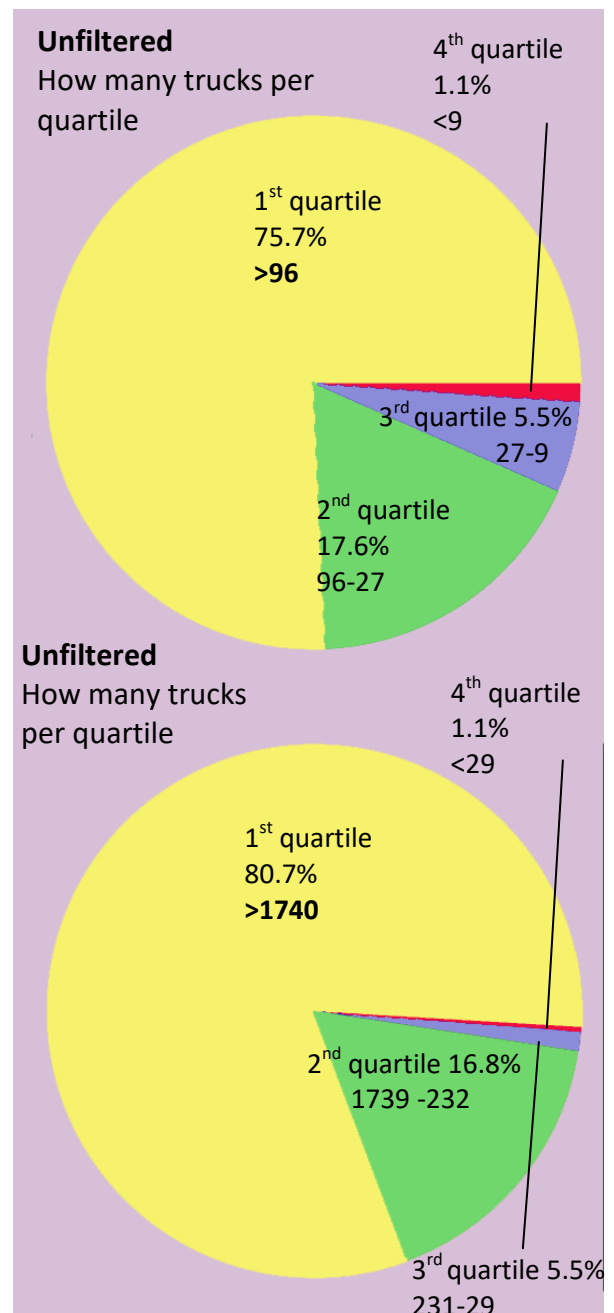
The graph below shows most filtered trucks are owned by the biggest fleets. For example, 80.7% of unfiltered trucks are owned by fleets with 1,740 or more trucks.

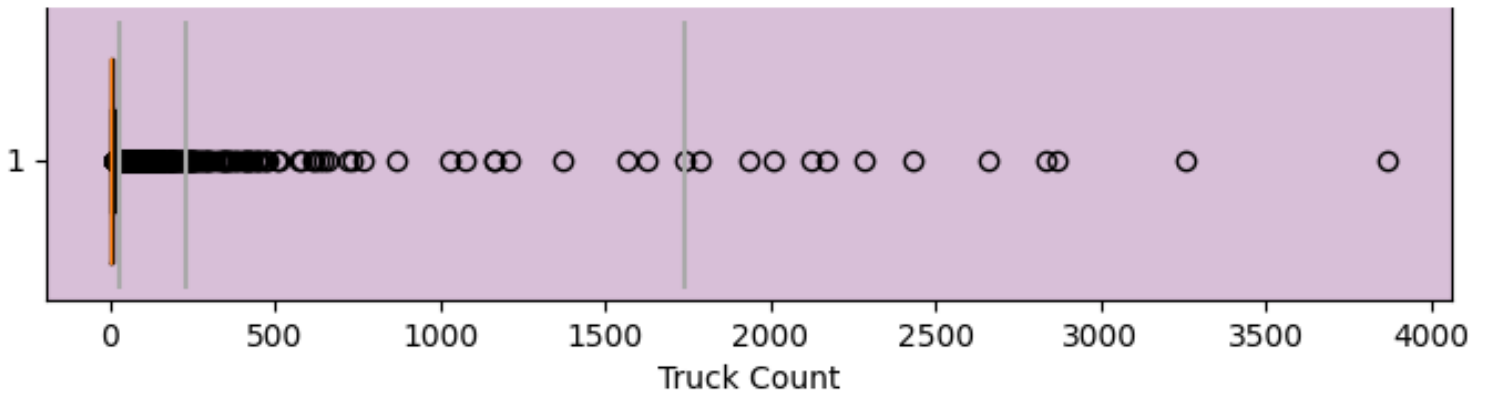
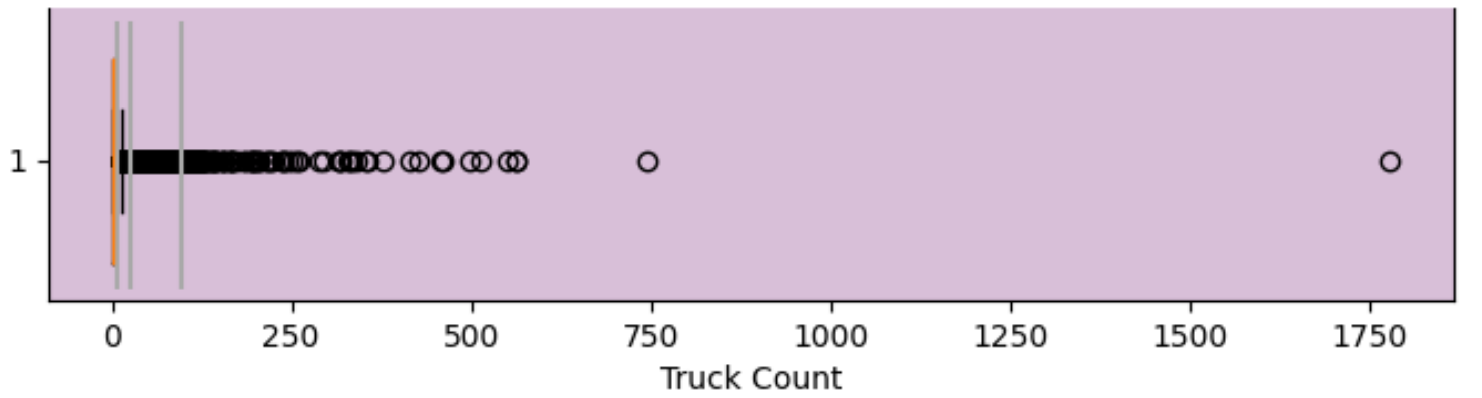


Even though most Oregon diesel truck fleet owners own less than five trucks, most Oregon commercial diesel truck are in large fleets of more than 188 trucks. Big commercial diesel truck fleet owners tend have filtered trucks, as shown below.

Half of the unfiltered trucks are owned by companies who already own 27 or more trucks. The companies that own filtered trucks on average already have around 232 trucks. (10 times larger)

Most larger companies tend to have their trucks filtered. If you identify the biggest companies that are non-filtered, you're targeting the worst remaining offenders.





The whisker plot above shows each filtered and unfiltered on-road diesel vehicle fleet in Oregon as a circle. The grey lines separate the data in quartiles. Most unfiltered fleets are under a hundred vehicles and are clustered on the right. A small number of companies own and operate a large number of unfiltered diesel trucks in Oregon