

Lab 2

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1 Analysis of Results

After running the Bootstrap algorithm with a 95% CI on the vehicles.csv dataset, we get the following results:

Current Fleet

Mean: 20.145247670682732

Lower Bound: 19.36144578313253

Upper Bound: 20.947791164658632

New Fleet

Mean: 30.478859367088607

Lower Bound: 29.139240506329113

Upper Bound: 31.82278481012658

This shows a considerable increase on the vehicles of the New Fleet dataset.