**Use case 6** : mtcars data (car dataset)

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| **Name of Features** | **Description** | **Type** | **Relevance (w.r.t. other features)** |
| Mpg | Miles per gallon (fuel efficiency) | Quantitative,continous | Target variable : influenced by weight, horsepower, & engine size |
| Cyl | No. of cylinders | Quantitative,discrete | Relevant : correlates with displacement & horsepower; affects fuel efficiency |
| Disp | Engine displacement (cu.in.) | Quantitative,continous | Relevant : larger engines often reduce mpg |
| Hp | Horsepower | Quantitative,continuous | Relevant : higher power may reduce mpg; correlates with weight & cylinders |
| Drat | Rear axle ratio | Quantitative,continuous | Relevant : affects performance & fuel economy |
| Wt | Weight (1000 lbs) | Quantitative,continous | Highly relevant : heavier cars tend to have lower mpg |
| Qsec | ¼ mile time (secs) | Quantitative,continous | Relevant : performance metric; may correlate with horsepower & weight |
| Vs | Engine type (0 = V-shaped, 1 = straight) | Quantitative,binary | Relevant : may influence mpg & performance characteristics |
| Am | Transmission (0 = automatic, 1 = manual) | Quantitative,binary | Relevant : manual cars often have better mpg |
| Gear | No. of forward gears | Quantitative,discrete | Relevant : affects performance & transmission type |
| Carb | No. of carburetors | Quantitative,discrete | Relevant : correlates with engine performance; may affect mpg |