

Dataset based on cars' characteristic

Dataset has 9 columns:

carID - unique car number

Brand - vehicle title, such as VW (Volkswagen)

Model - name of specific vehicle of brand, such as Lexus RX

Year - year of car production (2015)

Transmission (**Коробка передач**): 'Automatic', 'Manual', 'Semi-Auto' (choose between **fully automatic and manual modes**), 'Other'

Mileage - distance travelled by car since release

fueltype - type of fuel ('Diesel', 'Petrol', 'Hybrid', 'Other', 'Electric')

Tax - Drivers must buy car tax every year. The money this raises is paid directly into the central government fund, which is used for projects that benefit everyone – including road work and maintenance.,

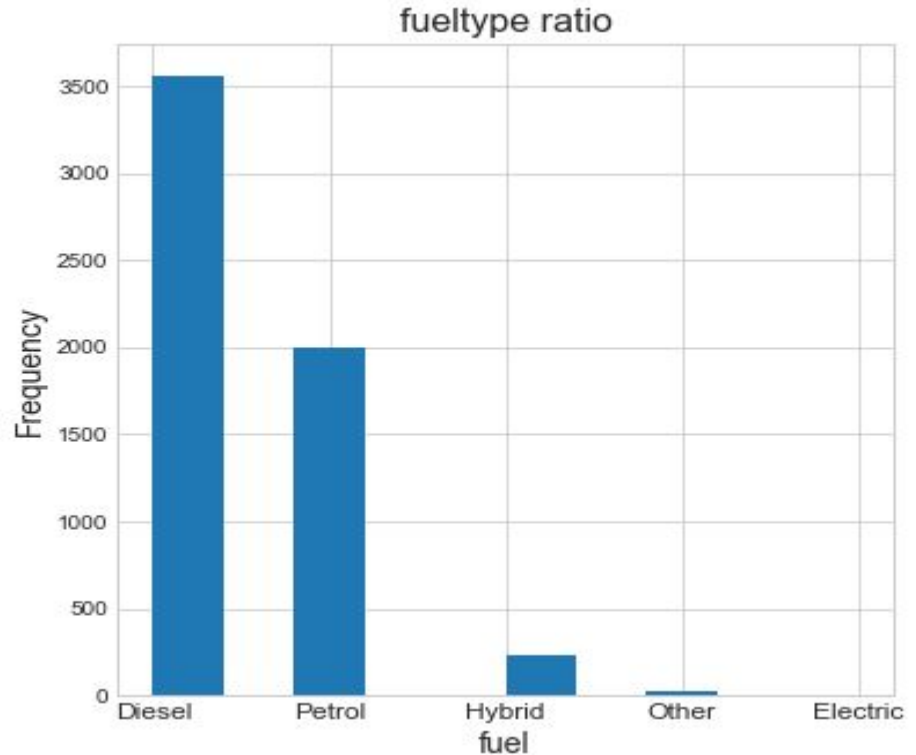
EngineSize The size of an engine is determined by the amount of space (volume) there is in an engine's cylinders. This is where the mixture of fuel and air is ignited to make the energy required to turn the wheels. Cumulatively, the volume between all the cylinders denotes the engine's size.,

Mpg - miles per gallon. is the distance, measured in miles, that a car can travel per gallon

Analyzing the data

Categorical Variable: fuelType

3541 Diesel Fueltype
2002 Petrol Fueltype
228 Hybrid Fueltype
27 Other Fueltype
2 Electric Fueltype



The analysis on set of year , mileage based on years

There are 6 Countries

Average mileage of Germany's car in 2016 is 34000

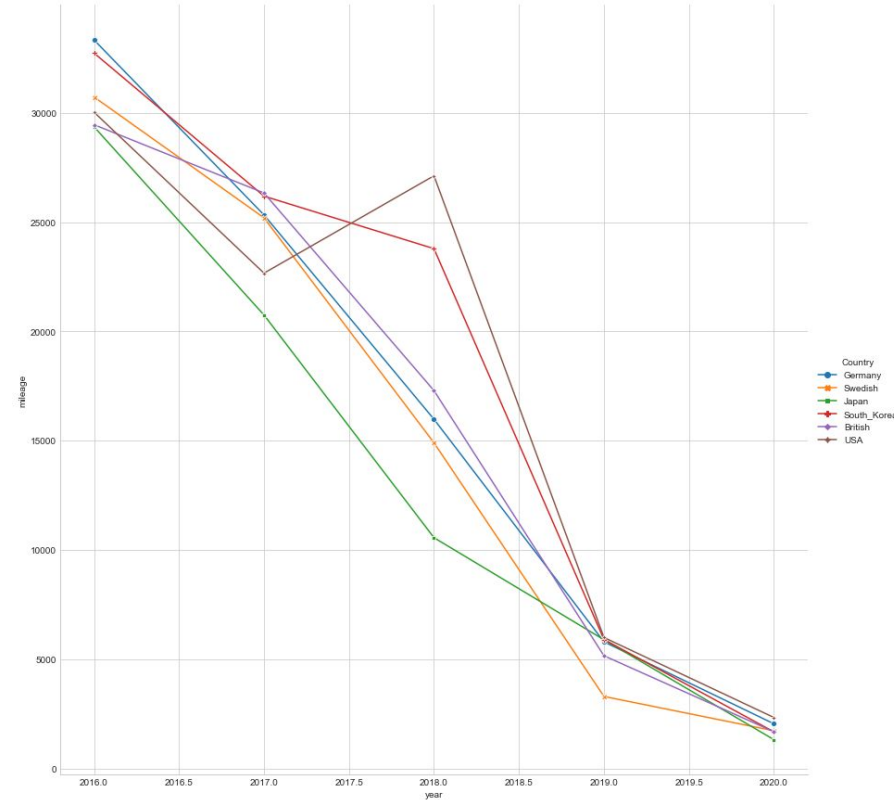
Average mileage of South Korea's car in 2016 is 32000

Average mileage of Swedish car in 2016 is 30726

Average mileage of Japan's car in 2016 is 29361

Average mileage of British's car in 2016 is 29456

Average mileage of US America's car in 2016 is 30030



The analysis on set set of year and brand variables

There are 9 brands

Merc's sales in 2016 is 34000

VW's sales in 2016 is 34000

Scod's sales in 2016 is 83

Vauxhal's sales in 2016 is 61

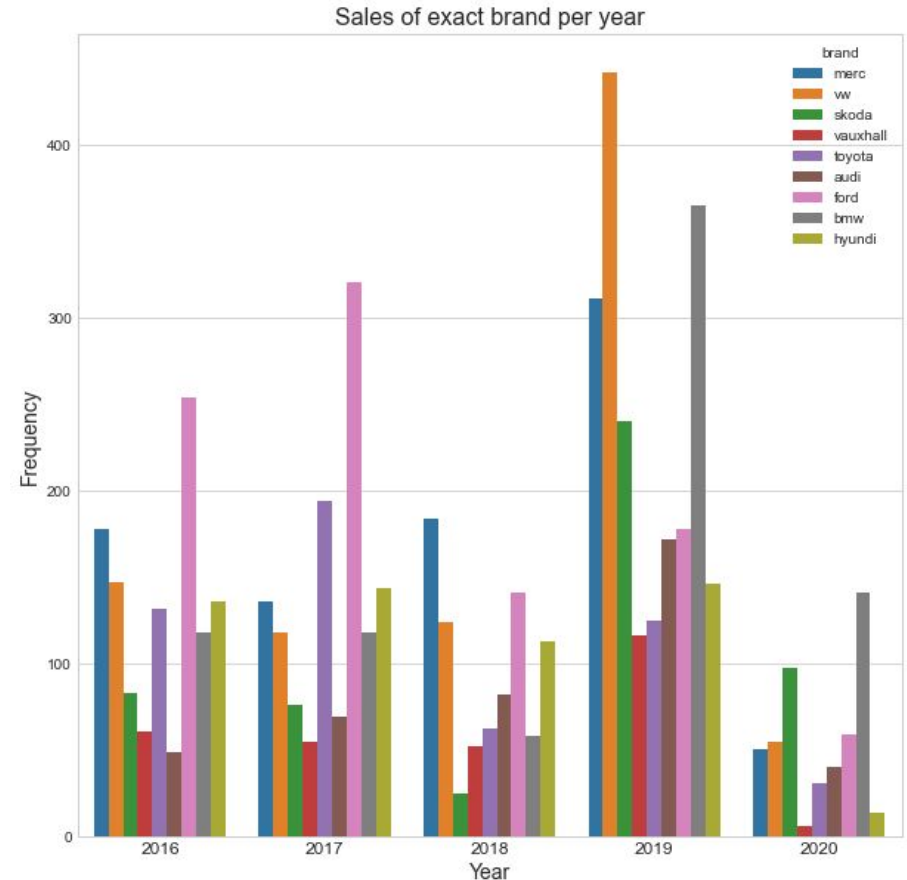
Toyota's sales in 2016 is 132

Audi's sales in 2016 is 49

Ford 's sales in 2016 is 254

BMW's sales in 2016 is 118

Hyundai sales in 2016 is 136



Analysis of Brands and mpg sets

Cars average miles per galloon

Toyota mpg is 61

BMW mpg is 58

Scoda mpg is 52

Ford mpg is 51

Vauxhall mpg is 48

Merc mpg is 46

Vw mpg is 45

Hyundai mpg is 45

Audi mpg is 36

