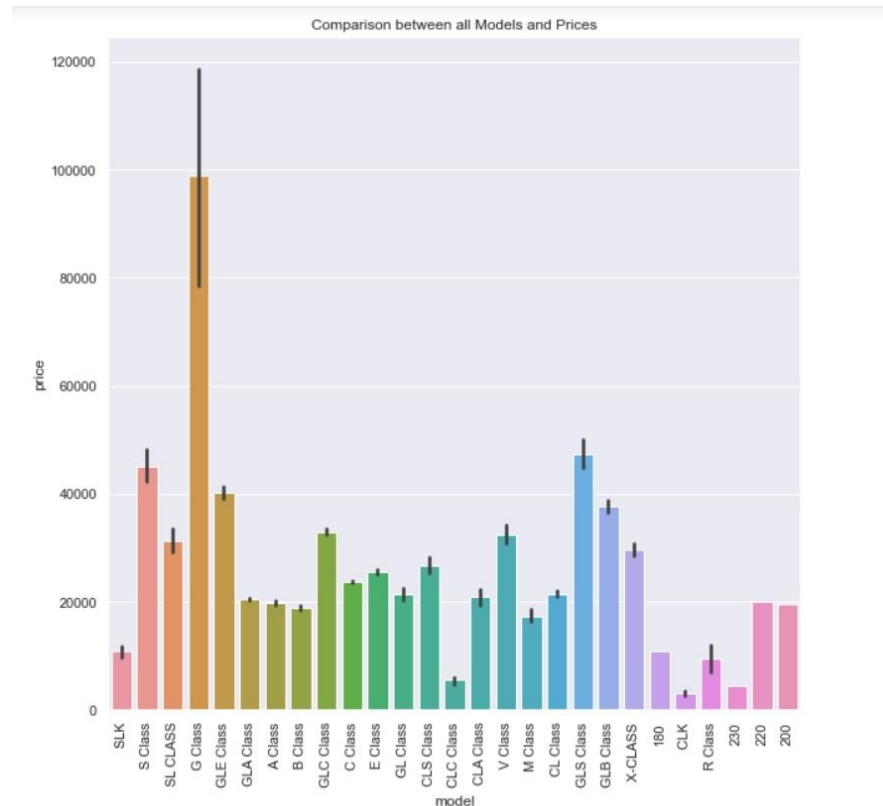


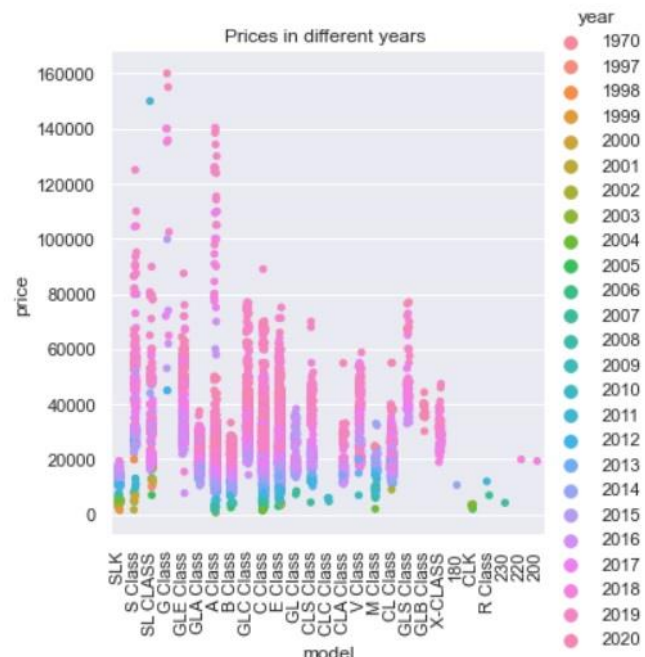
Visualization the Best used Mercedes Model 2002-2020

There were 13119 cars with 27 types of Mercedes model from year 2002 to 2020 in the used Mercedes car dataset. For Each year data includes the model, price, transmission, mileage, fuel type, tax, mpg and engine size. Visualization was conducted and the most relevant finding data was discussed below.

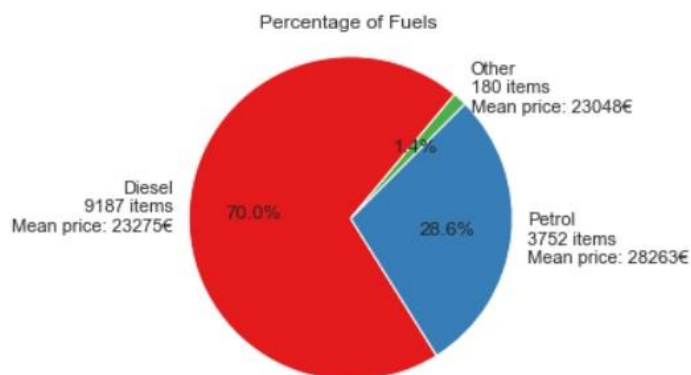
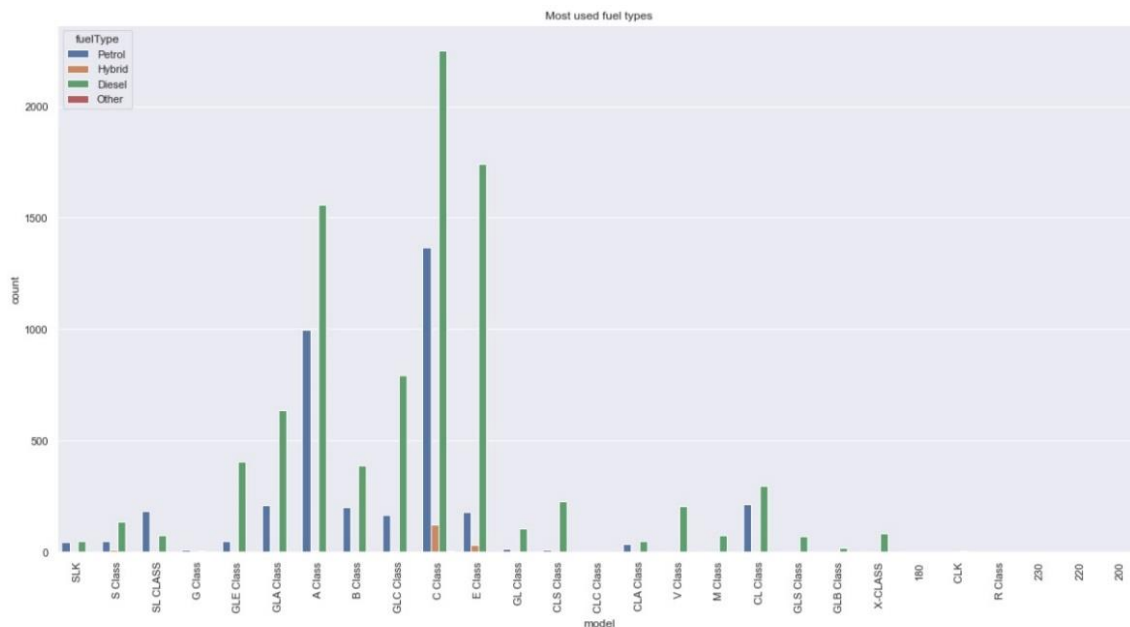


First, I just took all car models from dataset and then I did comparison between all models and their prices. In Relevant graph, we can see that G Class of Mercedes model is with the highest price, so it's the most expensive model.

From Prices in different years graph we can easily see that majority of the model's price is up to 80,000 but model from 2016 to 2020 are most expensive one models.

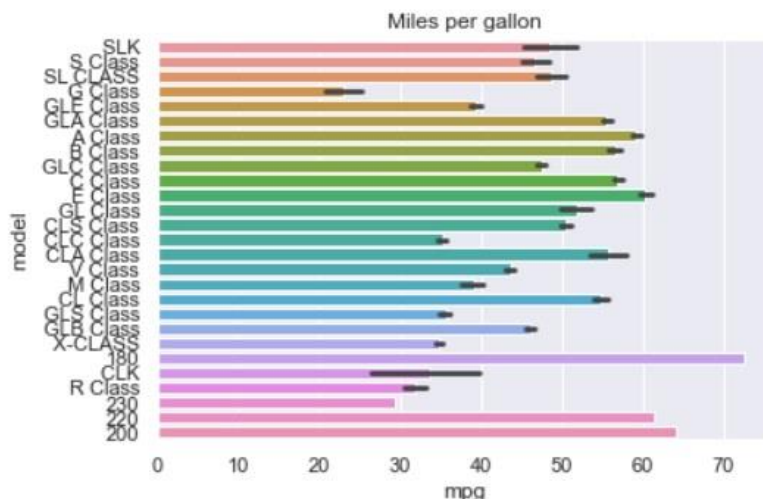


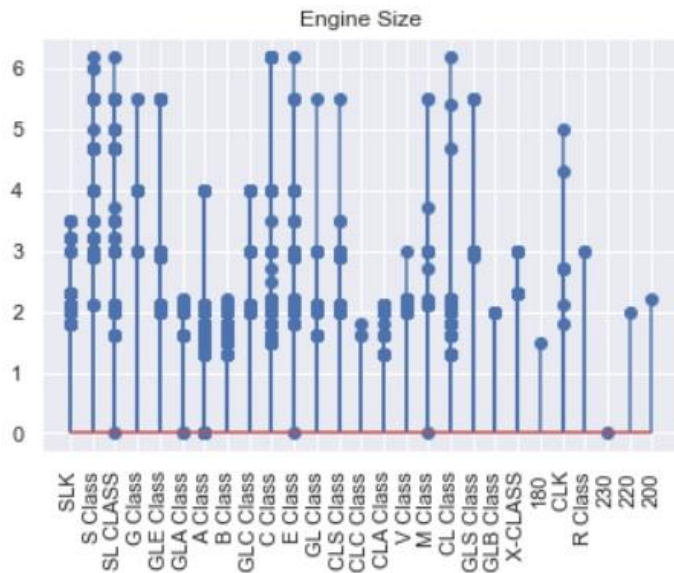
Most used fuel types graph shows that C class used the more Diesel and Petrol rather than Other Mercedes models and It also have the most hybrid models too.



From pie chart of fuels, I found that most of the models use Diesel (70%).

MPG, or miles per gallon, is the distance, measured in miles, that a car can travel per gallon of fuel. MPG is also the primary measurement of a car's fuel efficiency: The higher a car's MPG, the more fuel efficient it is. From this horizontal bar plot, we can see the 180 model is more fuel efficient.





Engine size is the volume of fuel and air that can be pushed through a car's cylinders and is measured in cubic centimeters (cc). Car engine sizes are normally specified in liters, which is rounded up to the nearest tenth of a liter.

Conclusion

Now we easily visualize that which car is better with engine size, MPG and fuel type. So, we can easily classify the best model of used Mercedes cars. We also analyzed the models' prices in different years and the most used fuel is diesel.