feul\_economy\_data\_anylsis

***What is the overall trend in fuel economy over time?***

Mostly, with the passage of time, more fuel-efficient cars are produced, as the highest fuel-efficient cars were produced in the years 1980-1982, when the number of miles driven by the car per gallon ranges from 43.4-46, while in the early seventies it ranged between 9-12.

***Which automobile characteristic is most correlated to fuel economy?***

The most fuel efficient cars are characterized by:

1-The number of cylinders is four

2- Its air displacement ranges between 85-98, as most of the times the most fuel saving is the least air displacement.

3\_It is the least in weight, as the weight does not exceed 2500 kg

4\_ The acceleration time in the most economical cars ranges between 13-24.6, and in general there is no relationship between the acceleration time and mpg.

5-horse power between 48\_102

***Is there a difference in fuel economy by the origin of the car produced? If so, is there an underlying difference in the types of cars manufactured in each?***

I think that there are slight differences in the most fuel-efficient cars in terms of origin. The highest fuel-efficient car is in Japan, and each gallon can move the car 46 miles, in Europe it is 44.3 miles, and in the United States of America it is 39 miles, and the ten highest energy-efficient cars are located at

In Japan and Europe

***If so, is there an underlying difference in the types of cars manufactured in each?***

Are there differences in some needs in the types of cars in each (Japan, Europe) and USAF, although they are all

Produce cars in all years

1-But in Japan and Europe, the number of cylinders did not exceed six cylinders, while in the USA it reached 8 cylinders.

2- Europe and Japan produce the most lightweight cars, while in the USA at times the weight exceeded 3500 kg.

3\_USA Most cars have high horsepower at times, reaching 130, while the cars with the highest fuel economy do not exceed 102.