图表, 条形图

描述已自动生成

From the plot, I found that the range of the SD above the mean MPG is higher than the range of the SD lower than the mean MPG. The number of the cars that in each category (SD away from MPG mean “above” and “below”) contains are approximately the same.

图表, 条形图

描述已自动生成

According to the histogram, with 8 cylinders for a car, most of the cars are automatic, and for 4 cylinders for a car, most of the cars are manual.

图表, 散点图

描述已自动生成

The overall number of seconds it takes to travel a quarter mile for engine 1 is higher than engine 0, and engine 0 has an overall higher weight than engine 1.

(a).

图表, 散点图

描述已自动生成

图表, 箱线图

描述已自动生成

This is a chart that describes the MPG for three groups of cylinders. The boxplot shows the range of each group, and the group with the broadest range is the cars with cylinder of 4. This boxplot also indicates the group with cylinders of 4 has the highest average MPG.

图表, 折线图

描述已自动生成

This plot compares the cost of driving 12000 Miles per Year for two different cars. Cadillac Fleetwood has a higher cost of driving 12000 for each year, so its trend is above Mazda RX4. The trends of both lines are very alike, and that is probably because they follow the same rule of cost per gallon for each year. The peak of the cost happens between 1980 and 1985.

图表, 散点图

描述已自动生成

This plot shows the relationship between horsepower and number of cylinders by transmission types. As the plot shows, the car with the highest horsepower also has the highest number of cylinders. With a transmission type of 0, the overall horsepower is lower, and with a transmission type of 1, the overall horsepower is higher.