**Problem Statement**

Bluecars taken are equal during the different days of the weekday.

Are the Bluecars that are taken the same?

A weekday has five days that is from monday to friday and considering the trends friday is a part of a weekend while monday is the beginning of the week just when the weekend is over.I want to see whether the bluecars are hired constantly or drastically.

**Data Description**

The data used is gathered from(‘<http://bit.ly/DSCoreAutolibDataset>’)

It has several columns but i was interested with the bluecars being taken for use and during the weekday

I cleaned the data so when using it had no missing values

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Mean of data was 125.92695

Std was 185.426579

Quartiles were 20.0000,46.0000,135.000

**Hypothesis Testing Procedure**

Since the sample size is greater than 30 I used the z test

And since probability is equal to 1 the confidence interval as 95%

We assumed that all conditions for inference were met.

Null hypothesis (H) :the bluecars taken are equal

Alternate hypothesis(Ha): the bluecars taken are not equal

Significance level 𝝰=0.05

**Hypothesis Testing Results**

Zscore 0.011818600992753557

The p-value: 0.5047148298702357

I neither reject the null hypothesis nor do I accept it.

**Discussion of Test sensitivity**

The plots were near the line of best fit meaning they were clustered evenly

**Summary and Conclusions**

Bluecars are used continually

Based on the findings the we conclude that the bluecars are equal on all days on weekday