Lab 2

Enrique Zaragoza Guajardo

January 23, 2018

1 Analysis

It can be observed that the upper and lower bounds of the standard deviation of the two data are not the same. The limits of one are not inside nor touch the limits of the other. This means that the data can be analyzed and obtain a meaning from it.

1.1 Current Fleet

It can be observed that the mean value obtained is around 20. With an upper limit around 21 and the lower limit around 19. This values can be observed in the image generated for the current fleet.

1.2 Proposed Fleet

It can be observed that the mean value obtained is around 30. With an upper limit around 31 and the lower limit around 29. This values can be observed in the image generated for the Proposed fleet.

1.3 Comparison

It is observed that the mean values obtained are different from each other, where the proposed fleet has a higher mean value. When it comes to the standard deviation, they have really similar values, having their bounds separated by approximately +/- 1. And because, any of the boundaries are either touching nor inside each other (they are separated from each other), the comparison between the two graphs can be made. If the goal of the proposed fleet is to increase the quantity of vehicles, it is observed that it will most probably make it; obtaining much better results without to much deviation of the expected results.