Homework 1 Comments

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1 Introduction

In this homework I used traceroute program to measure delays in 10 different locations for 4 days, three times each day and 100 times each time. I saved the results of the program to different files for each location. Then I used Excel to calculate the averages of each 100 result for each location and time. I saved the average values to another file. When I drew the graphs I used an edited version of this file to get the values.

2 Comments

Figure 1 shows the delays with respect to different days. It can be observed that Wednesday has significantly high amount of delays. The reason might be my bad internet connection in that day. The other days do not seem to be related.
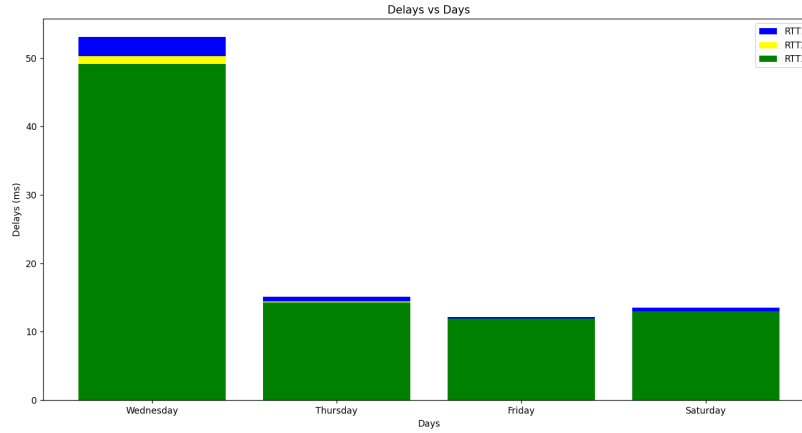

Figure 1: Delays vs Days

Figure 2 shows delays against the time of the day. It seems that there is small difference between morning and the afternoon, afternoon having slightly higher amount of delays, and the evening has the least amount of delays by a big margin. Again it might be about my internet quality in different times of day. It might also be because of the higher internet traffic during working hours, considering the fact that most of the locations are close to Istanbul.
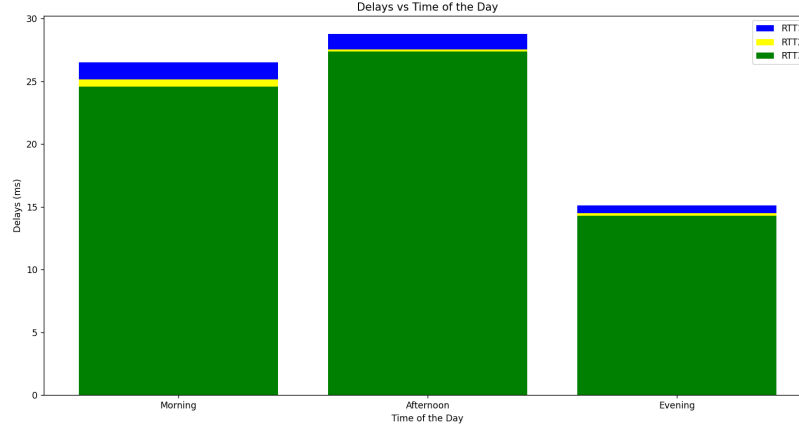

Figure 2: Delays vs Time of the Day

Figure 3 shows delays depending on the distance. It can be seen that in general, delays are increasing with the distance. However, some locations have very high amount of delays, although being close to Istanbul. Their high delays might be explained by them running on servers far away from their original location.
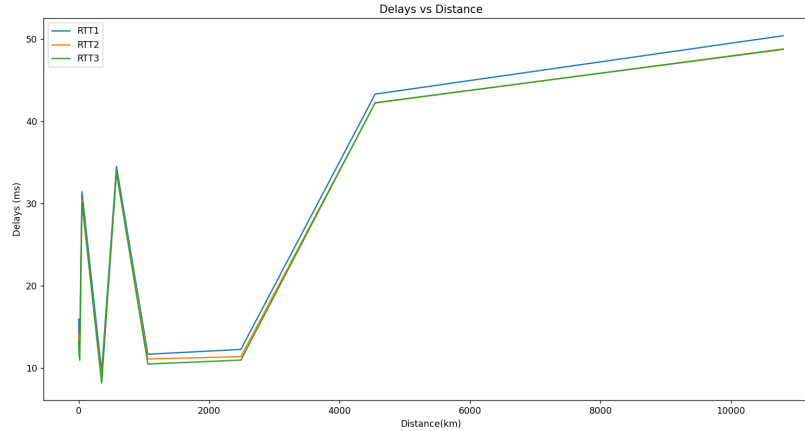

Figure 3: Delays vs Distance