

## Weekly Project SCRUM Report

Date: 2023/02/24

Project Name: Analyzing 311 response

### Team Members:

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### Tasks Completed This Week:

We analyze the data(Boston census data for 2020 and the 311 data for 2020) in 4 angles respectively(Geographics, Age, Race, Income and demographics), in a preliminary and simple perspective.

- a. Age: The analysis of 311 service data, based on age over 18 years, was carried out. We found that in terms of on-time white alone, Hispanic or Latino, American Indian and Alaska Native, Native Hawaiian and Other Pacific Islander, Some Other Race have positive correlation coefficient. But Black or African American, Asian and Two or More Non-White Races have negative correlation coefficients. Does this mean that it is easier for some races to be on-time and more difficult for others to be on-time. In terms of case status, White alone, Black or African American, Asian ratio. case status closed have positive correlation coefficient, but others have negative correlation coefficient.
- b. Race: We found that the White and Hispanic people ratio in a community both have positive correlation coefficient with the on-time rate; while the Asian and Black people ratio both have negative correlation coefficient with the on-time rate. Does this finding imply that the 311 service tends to be more responsive to some races?
- c. Income: We don't have data related to income
- d. Demographic/Geographic: The data we used was from Analysis 311 dataset from the website, where we found that most of the requests were from 2128, 2127 and 2124, which is mostly dominated by hispanics, whites and blacks. The percentage of case\_status closed within the targeted date is really good. But also we can see in our analysis that 2108 has the most cases with 82% closed rates. There is much more we can do with this angle as the dataset has a lot more to say geographically when we take different resources too where they have defined the population(race, age, status) wrt the location zip code.

We've uploaded our respective code to our github repo.

### Plans for Next Week:

1. We are going to discuss how to divide part 1.1 a, b and c with team 1 and finish deliverable 1
2. As suggested we are going to add more visuals to our deliverables as we will be able to give our presentation to our clients.

3. If we have more time we can look for more data, and look at the angles together and try to find more in-depth knowledge.

All the tasks will be done by teammates together.

Obstacles and Questions:

The main obstacle is that in terms of income, the data does not have any relation to it.

Met with the client recently? When is the next meeting with the client?:

Yes, next Thursday 03/02/2023, 3-4pm