



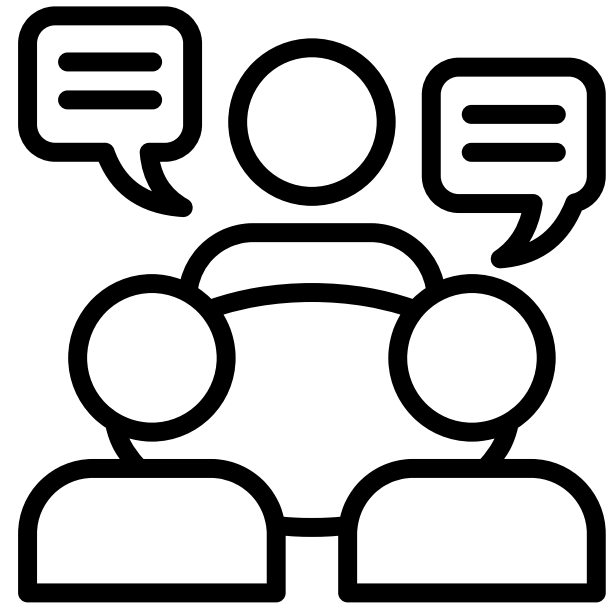
2023

CITY OF
BOSTON

Team 3: Thiru Satya Surya Mahaveer
Bonagiri, Aryaan Upadhyay,
Christian DeAsis, Mary Choe

ANALYZING 311 RESPONSES

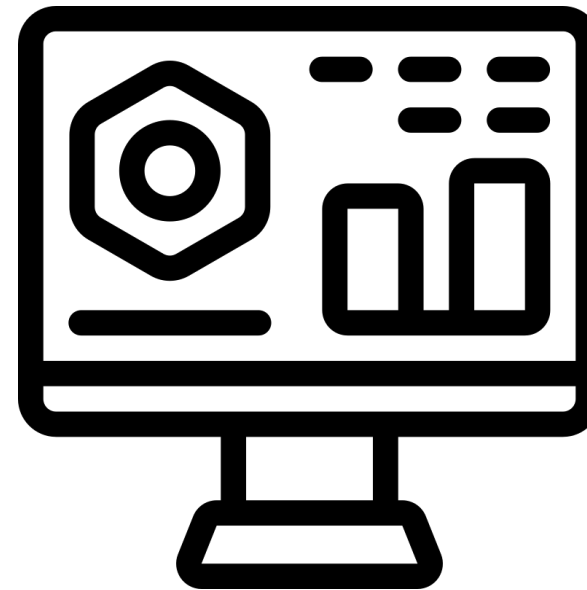
CITY COUNCILOR
JULIA MEJIA



PROJECT QUESTIONS

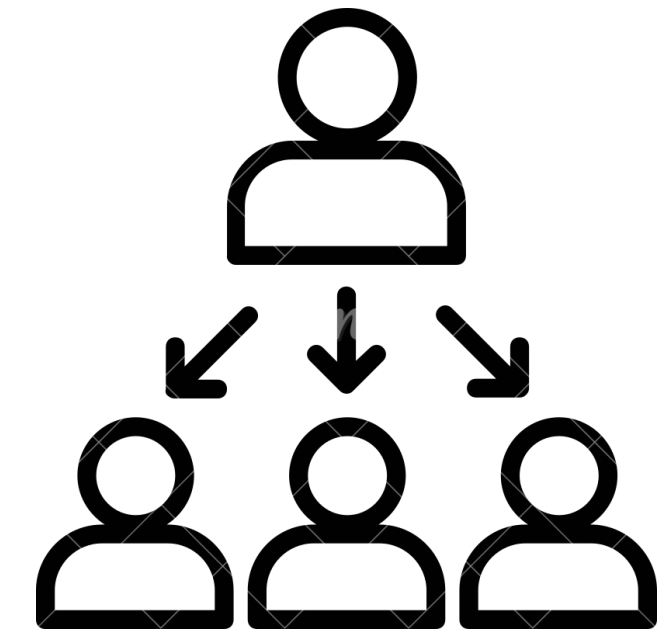
- How is the city responding to 311 service requests?
- Are they resolving them in an equitable manner?
- Which communities feel empowered in Boston to demand services?

Our Project



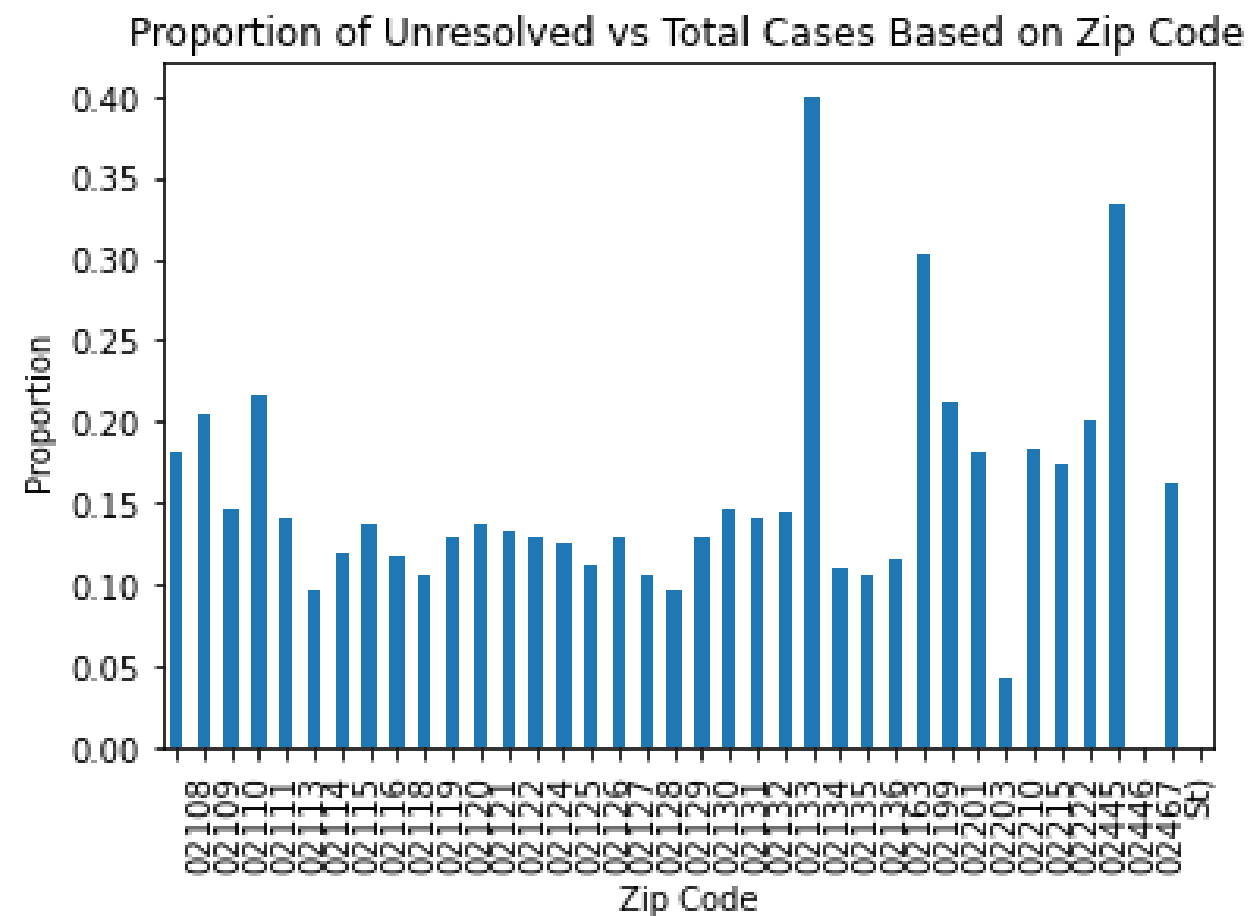
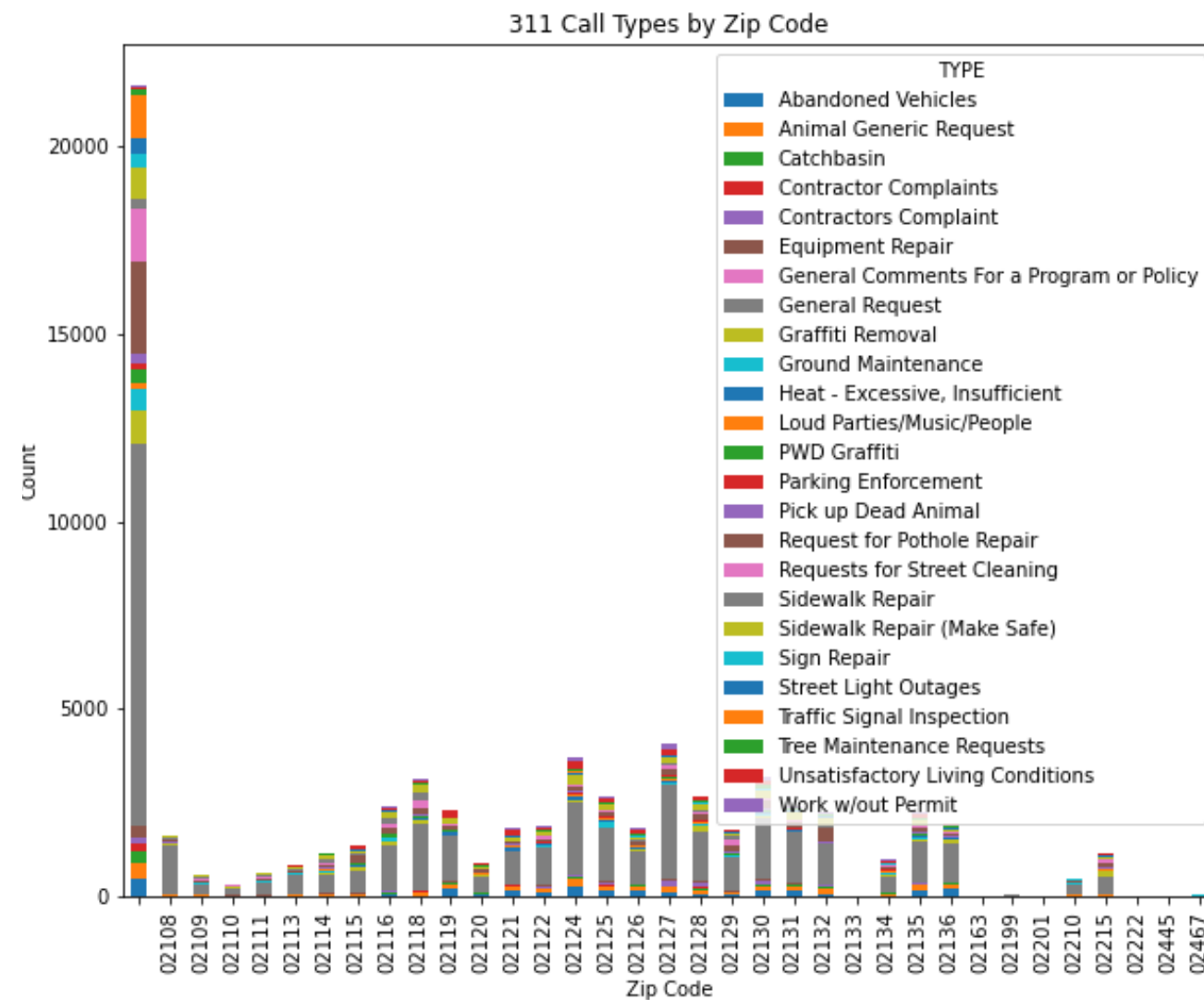
DATA SETS

- Social Vulnerability Index (analyze Boston - census block group of vulnerable populations)
- Analyze Boston 311 dataset - Dataverse 311 Data

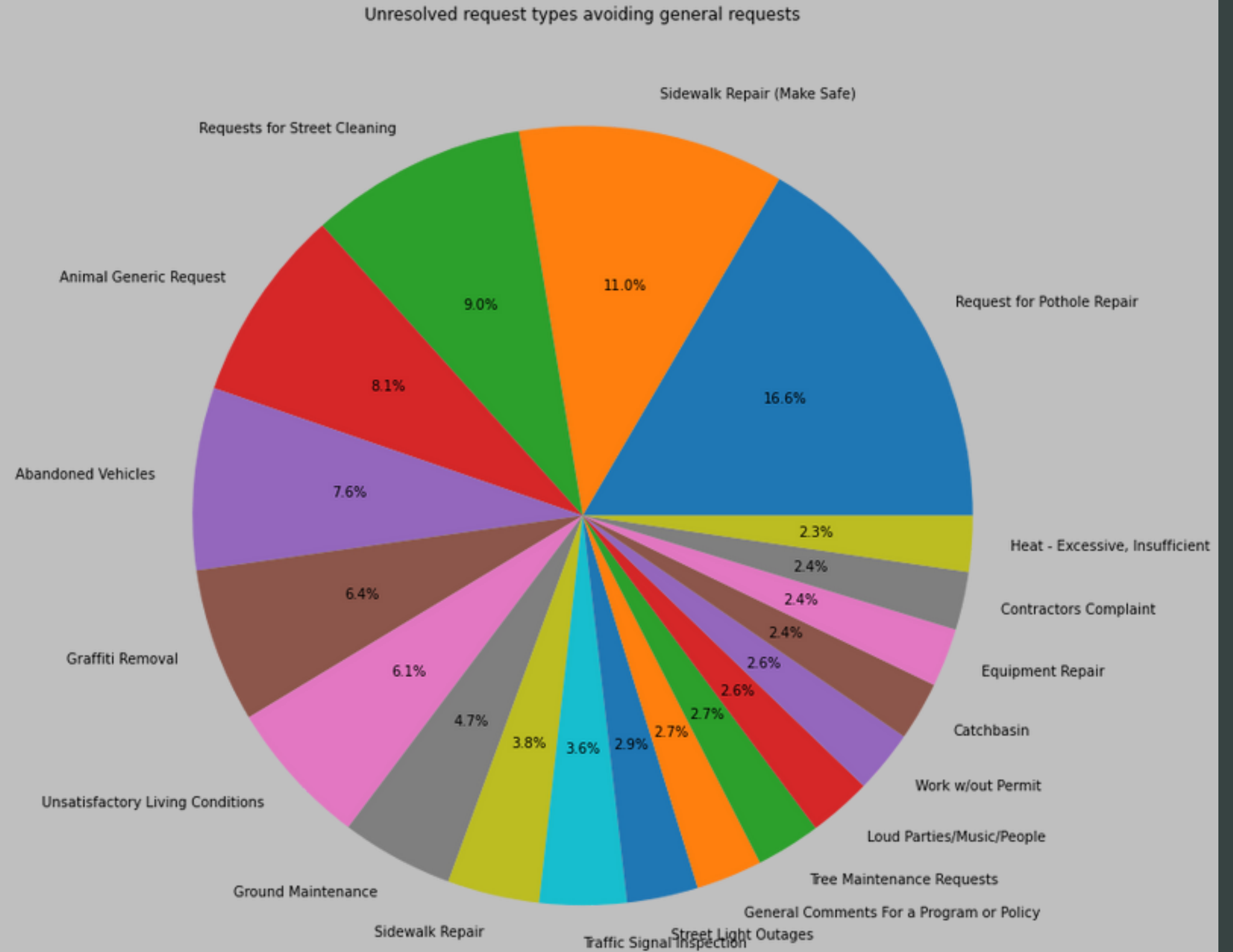


DELEGATION

- Extracted, pre-processed, and created visualizations of the data - Christian , Aaryan and Mahaveer
- Created visualizations and concatenated and cleaned data - Mary and Mahaveer

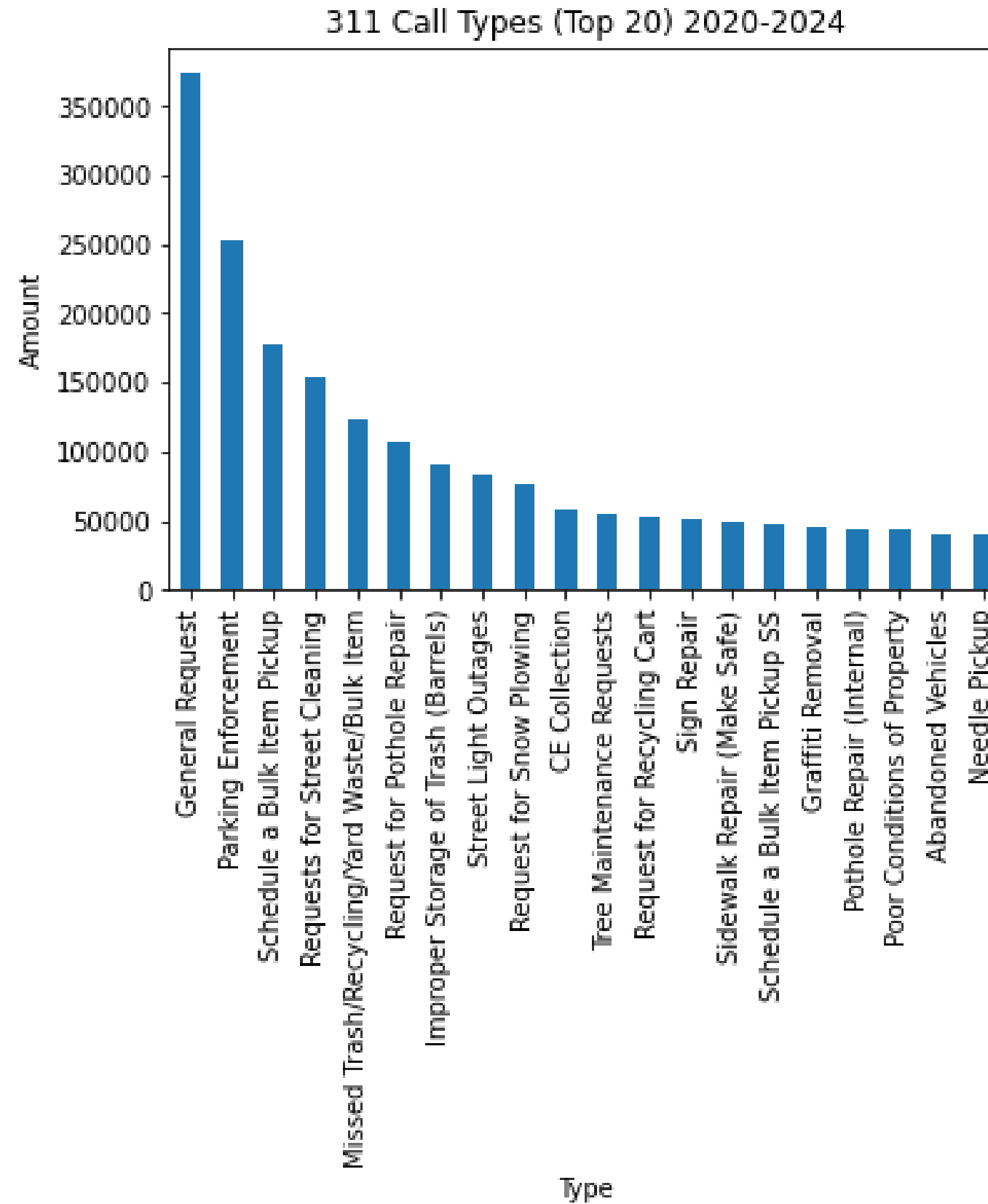


Early Insights

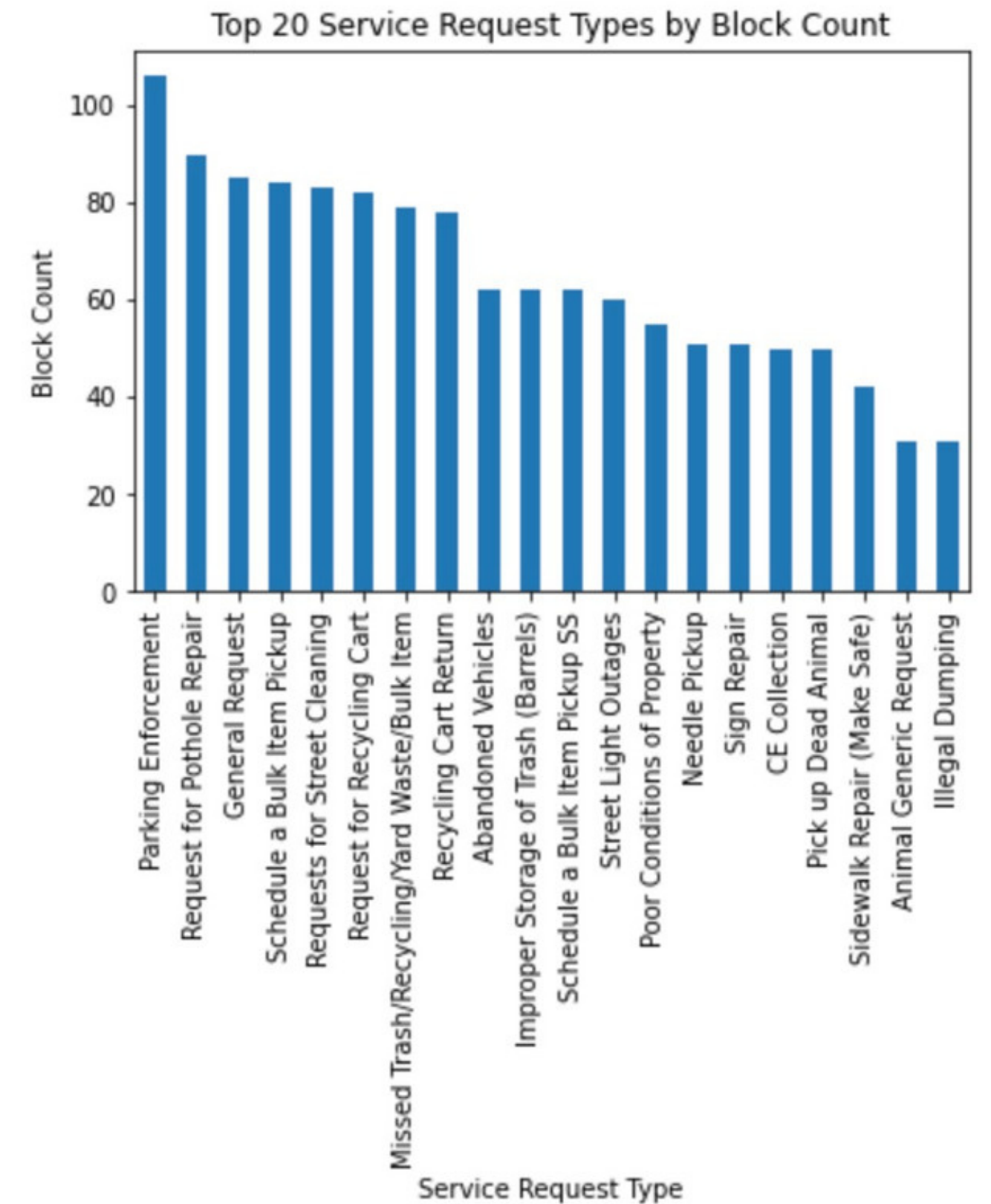


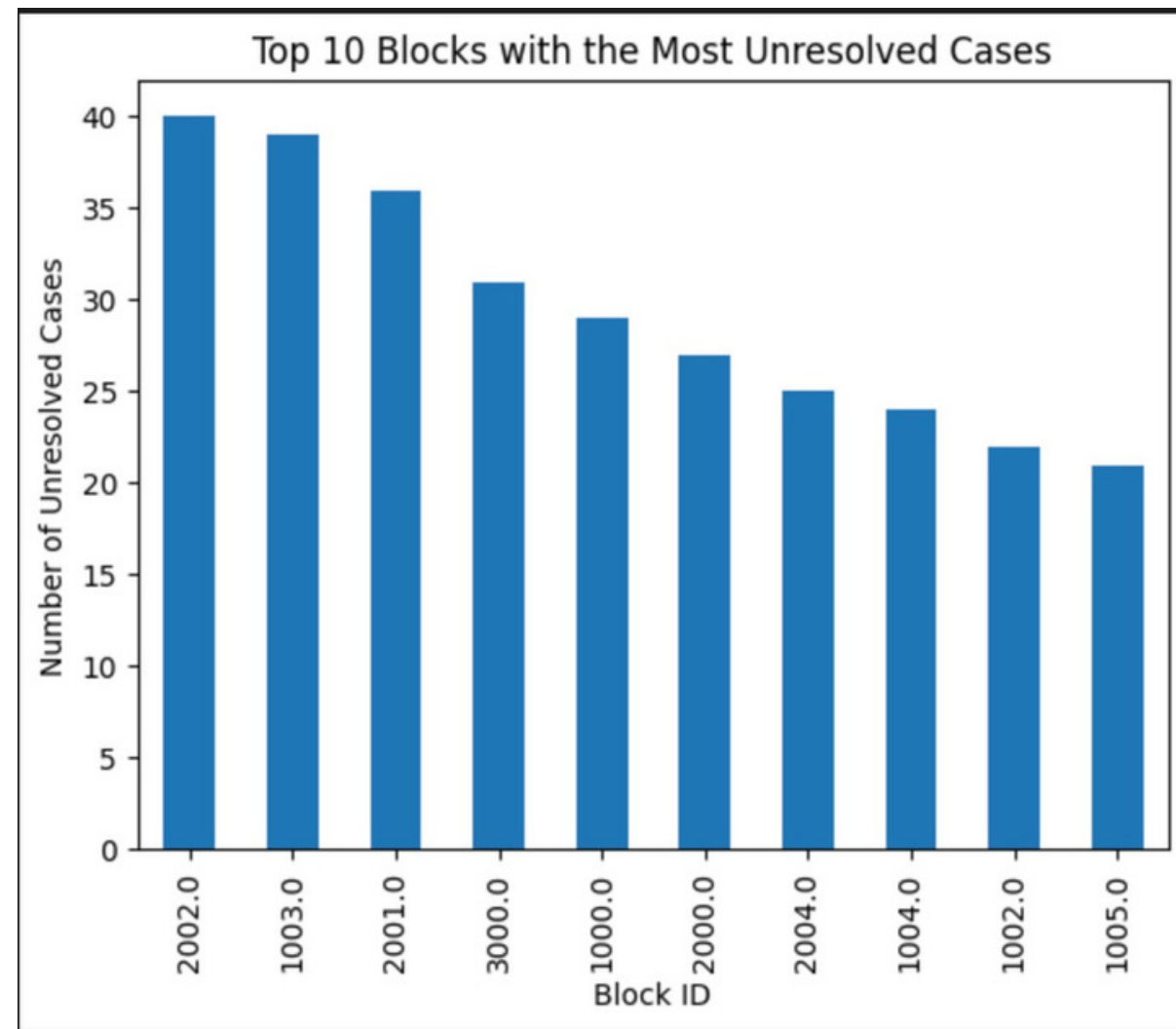
Different Request Types

BY REQUESTS:



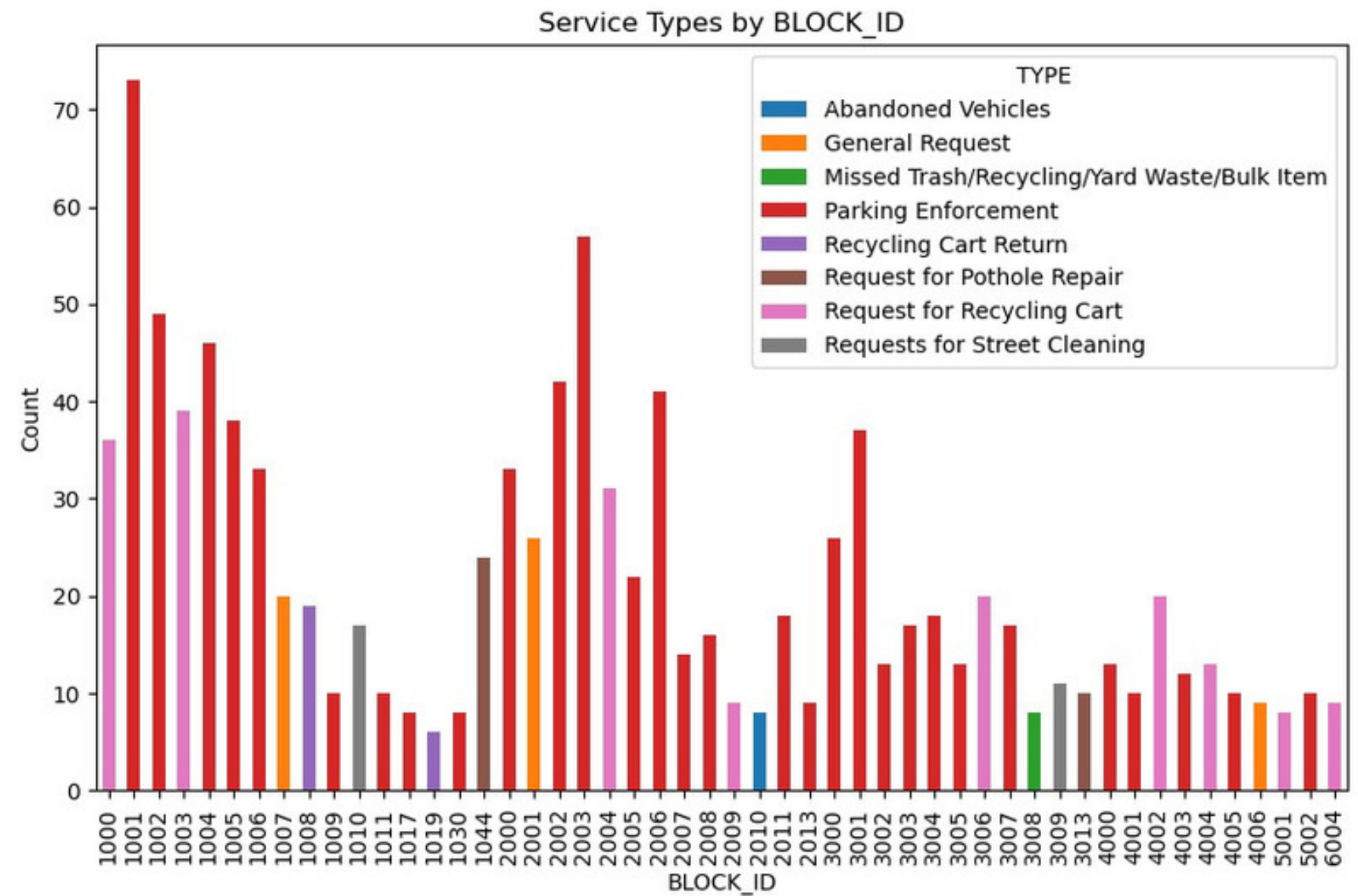
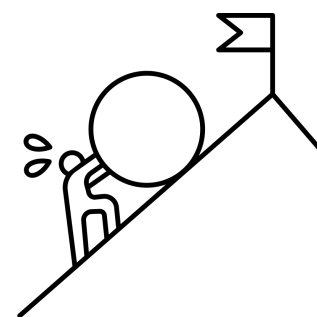
BY BLOCK:





Challenges and Limitations

- Lacking necessary data (income and block data)
- Confusion on closed and unattended cases
- Massive amount of data



A background image of the Boston skyline, featuring the Freedom Tower and other skyscrapers, with a blue sky and water in the foreground.

Next Steps

PROJECT EXTENSION

Our proposal is to analyze the data to better help those with limited English proficiency using the data from Analyze Boston's Social Vulnerability Index dataset