February 27, 2024

This project aims to provide the City of Boston with a comprehensive analysis of housing violations, identifying systemic issues in housing conditions, and offering insights for solutions. By identifying patterns related to landlords, building features, affected neighborhoods, and types of complaints, the project aims to target problems that can be found using data analysis.

This project is important because it can create better living conditions in Boston by identifying housing violation trends, which will inform policy changes, improve resource allocation, and encourage city officials, landlords, and residents to address housing issues.

The data we will be collecting and analyzing is from public works violations, building and property violations, Boston 311 requests, and property assessments to discover patterns in housing violations to improve housing standards in Boston. Recently we have compiled the data together using a python script.

Some potential limitations of the project may be the quality of the data and the nature of housing issues. We are also aware of the potential for bias given the nature of this project, which stems from the systemic disparity in housing quality. Another limitation is the challenge of identifying common features among buildings with violations due to the variability of characteristics based on architectural styles, such as modern or semi-modern, and varied heating types, making it hard to track and analyze these factors effectively. However, we can clear some of our limitations with our client, when we start meeting with them.

Our next steps will be to
1. Work on the Early Insights report, which is due February 28th.
2. We will also be working on our early insights presentation which is held on February 29th from 1:00 PM - 1:30 PM.