

Bad Landlords Team 3 Extension Proposal

Extension Pitch	<p><i>This is an opportunity to get creative with additional data that you think would tell an interesting story. This is where you will propose your topic and include how it relates to the original dataset</i></p> <p>For our extension project we would like to expand our work with the hazardous criteria violations to understand the impact on vulnerable communities. We have done analysis on the violations of interest and seen where they occur and at what frequency. Now, we want to compare violation rates to the demographics of the neighborhoods where they occur.</p>
Rationale	<p><i>Why is this extension important? What information would this reveal? Why is it interesting to you and your team?</i></p> <p>Our group has been working with hazardous criteria violations, and which has shown us which violations are more common but also that certain violations are more egregious and life-threatening than others. We want to see if certain violation classes are more common in certain areas where more vulnerable communities may be present since that would help us determine which landlords are potentially taking advantage of people who have fewer means of recourse.</p>
Questions for Analysis	<p><i>What information do you hope to find based on looking at this additional data? What are you curious about? Do you have any hypotheses?</i></p> <p>What patterns emerge across demographics? What patterns emerge within a certain violation type?</p> <p>Are vulnerable communities more affected by certain hazardous conditions?</p> <p>Where do these patterns occur and which communities are most impacted? Are certain communities impacted more by certain types of violations?</p> <p>We suspect there will be a higher instance of worse violations in areas with student populations since bad landlords will take advantage of the fact that students are young, tend to have less money, and are a more transient population. More generally, we suspect that bad landlords will take advantage of all/many vulnerable communities that are systemically overlooked.</p>
Data Sets & Sources	<p><i>Include the dataset(s) you will be using and any additional information that will be used directly in the extension</i></p> <p>We will continue to use Building and Property Violations Dataset and are currently looking for other sources of violations data</p> <p>Census Block Groups and other census data to get demographic information.</p> <p>Potentially Climate Ready Boston Social Vulnerability - Datasets or other sources of Social Vulnerability data that could be used to compare against violations data.</p>

Data Visualizations	<p><i>Include a description of your proposed charts/ graphs for the final deliverable and axis for each</i></p> <p>Potential data visualizations include:</p> <p><u>Heatmaps</u> to show the presence of certain demographics, which can then be compared with the spread of a particular violation.</p> <p><u>Scatterplots</u> to show correlation between a particular demographic and violations</p>