**Data Diary**

311 Housing Complaint Data

Nov. 12, 2021

**Data Source**

New York Open Data

<https://data.cityofnewyork.us/Housing-Development/DOB-Complaints-Received/eabe-havv>

Date Pulled: Nov. 6, 2021

**Location**

Desktop/filtered\_data

**Scope**

How prevalent are complaints of illegal housing in Brooklyn? Where are the complaints most prevalent?

**Questions**

1. How accurate is the data at capturing borough specific data? Sorting community board via unit column?
2. Is the data tagged properly?

**Analysis**

1. I sorted the excel spreadsheet by adding a filter to the “unit” column. This allowed me to filter out all boroughs except for Brooklyn
2. I then cross checked in the pivot table the total number of Brooklyn based complaints with complaints via Brooklyn based community districts. This allowed me to ensure that I arrived at a correct number for Brooklyn based housing complaints.
   1. Once sorted by unit I used the filter in pivot to filter out data that did not include BKLYN. There were several miscategorized rows.
3. Using the sum count function on pivot, there were a total of 122951 Brooklyn based housing complaints. When adding all the Brooklyn community boards together it showed 122943 complaints. Brooklyn has 18 community districts.
   1. I sorted the data set and found 8 complaints that had a Brooklyn designation but not listed with a Community Board
4. I sorted the Brooklyn data by complaint type using the pivot table. I then arranged the list from most common complaint type to least common. For my first graph I looked at the 10 most common code violations in Brooklyn. These account for 85% of total complaints
   1. One data limitation is that one residence can have several violations
5. My focus for the story is on “illegal conversions”, in the 311 dataset key the numeral 45 signals a complaint for “illegal conversion”. Each complaint has a disposition number that shows what the outcome of the complaint is.
6. I sorted the pivot table by the disposition(outcome) and then layered it by complaint type. This allowed me to see the outcome by each complaint type. I filtered to complaint 45(illegal conversion). The count equals 13212 the exact number of “illegal conversion” complaints.