**Data Source**

NYC OpenData

<https://data.cityofnewyork.us/Housing-Development/Housing-Maintenance-Code-Violations/wvxf-dwi5/data>

Date Pulled: 11/5/21

**Location**

Desktop/zafer-assignment2

Desktop/zafer-assignment2/110521\_Zafer\_HousingViolations.xlsx

**Scope**

What are the top housing violations in Brooklyn in 2021?

**Questions**

What are the most common class violations?

Which community districts have the highest number of housing code violations?

**Analysis**

1. Imported data using import CSV function in Excel named sheet Original
   1. Data has 43 columns (up to column AO) and 251,263 rows
2. Copied Original sheet into new sheet named Copy
   1. 11/5/21:
      1. Moved NOV Issue Date to Column A
      2. Moved Nov Description to Column B
      3. Moved Class to Column C
      4. Deleted Registration ID, Borough, Inspection Date, Approved Date, Original Certify By Date, Original Correct By Date, New Certify By Date, New Correct By Date, Certified Date, Latitude, Longitude, Boro ID, Low House Number, High House Number, Apartment, RentImpairing
      5. Deleted Council District, Order Number
   2. Replaced "HMC ADM CODE:" with nothing
   3. Replaced " ï¿½ 27-2017.4" with nothing
   4. Replaced "SECTION 27-2005 ADM CODE" with nothing
   5. Replaced "& 309 M/D LAW" with nothing
   6. Replaced "SECTION 27-2017.3 HMC:" with nothing
   7. Replaced "SECTION 27-2013 ADM CODE" with nothing
   8. Replaced "SECTION 27-2037, 2038 HMC:" with nothing
   9. Replaced "SECTION 27-2056.8 ADM CODE -" with nothing
   10. Replaced "SECTION 27-2056.4 ADM CODE- " with nothing
   11. Replaced "SECTION 27-2037 ADM CODE " with nothing
   12. Replaced "SECTION 27-2043.1 HMC " with nothing
   13. Replaced "SECTION 27-2056.6 ADM CODE - " with nothing
   14. Replaced "SECTION 27-2045 ADM CODE " with nothing
   15. Replaced "SECTION 27-2005 HMC: " with nothing
   16. Replaced "SECTION 27-2005, 2007 ADM CODE " with nothing
   17. Replaced "SECTION 27-2033 ADM CODE " with nothing
   18. Replaced "SECTION 27-2046.1 HMC: " with nothing
   19. Replaced "SECTION 27-2070 ADM CODE " with nothing
   20. Replaced "SECTION 329, M/D LAW AND DEPT. RULES AND REGS. " with nothing
   21. Replaced "SECTION 27-2010, 2011, 2012 ADM CODE " with nothing
   22. Replaced "SECTION 27-2026, 2027 HMC: " with nothing
   23. Replaced "SECTION 27-2104 ADM CODE " with nothing
   24. Replaced "SECTION 27-2026 ADM CODE " with nothing
   25. Replaced "SECTION 27-2077 ADM CODE - " with nothing
   26. Replaced "SECTION 27-2005 ADMIN. CODE: " with nothing
   27. Replaced "SECTION 27-2044 ADM CODE " with nothing
   28. Replaced "SECTION 27-2031 ADM CODE " with nothing
   29. Replaced "SECTION 26-1103 ADMIN. CODE: " with nothing
   30. Replaced "SECTION 27-2022 ADM CODE " with nothing
   31. Replaced "AND DEPT. RULES AND REGULATIONS. " with nothing
   32. Replaced "(A) ï¿½ HMC:" with nothing
   33. Sorted by Class of Violation
   34. Sorted by NTA
   35. Deleted Violation ID
   36. Deleted Building ID
   37. Deleted HouseNumber
   38. Deleted Street Number
   39. Deleted Street Code
   40. Deleted Story
   41. Deleted Block
   42. Deleted Lot
   43. Deleted Current status ID
   44. Deleted Census Tract
   45. Deleted BIN
   46. Deleted BBL
   47. Deleted NOVID
   48. Deleted NOVType
   49. Deleted Current Status Date
   50. Deleted Current Status
   51. 11/6/21:
       1. Deleted data for November
3. Created pivot table 1
   1. Rows = Class, NTA
   2. Values = Count of Class
4. Copied data from pivot table 1 into new sheet named data 1
5. Created pivot table 2
   1. Rows = Class, Community Board
   2. Values = Count of Class
6. Copied data from pivot table 2 into new sheet named data 2
   1. Deleted unknown/blank neighborhoods
   2. Deleted the 2 extra “Community Board” columns
   3. Copied and pasted data for class next to Community Board column
   4. Used SUM function to calculate total number of violations for each Community Board