Evictions

This dataset lists executed evictions within the five boroughs for the years 2017-Present (data prior to January 1, 2017, is not available). The data fields may be sorted by 20 categories of information including Court Index Number, Docket Number, Eviction Address, Marshal First or Last Name, Borough, etc..  
  
Eviction data is compiled from New York City Marshals. City Marshals are independent public officials appointed by the Mayor. Marshals can be contacted directly regarding evictions, and their contact information can be found at <https://www1.nyc.gov/site/doi/offices/marshals-list.page>.

Business requirement:

The factors of investing a renting property will be neighborhood stability. If the area has more cases of evictions occur or the trend is going up can be variable of investing in the area.

1. Evaluate eviction rates and trends within specific NYC zip codes as an indicator of neighborhood stability to inform residential real estate investment analysis
2. Identify overall eviction cases happen for Residential/Commercial, which has more eviction cases occur in last few years

Functional requirement:

1. Import and process the Eviction dataset
2. Filter and aggregate data by time, borough, cases, and type
3. Comparison Residential and commercial
4. Visualization the data

Data

The data will collect from <https://data.cityofnewyork.us/> which is NYC open data, it is CSV files. The data include 20 columns and 106,000 rows. It has data dictionary associated with this data.

Information Architecture

1. user interactions
   1. input zipcode for analysis
2. data processing
   1. calculate the rates, trends and comparison
3. data storage.
   1. The database will store data related to eviction cases, zip codes, property types, and calculated metrics

Diagram:

1. Dataset (Evictions) 🡪 data ingestion 🡪 data transformation 🡪 data warehouse 🡪 analysis