



The Big Apple Filming Trail



Ranjeeta Bhattacharya

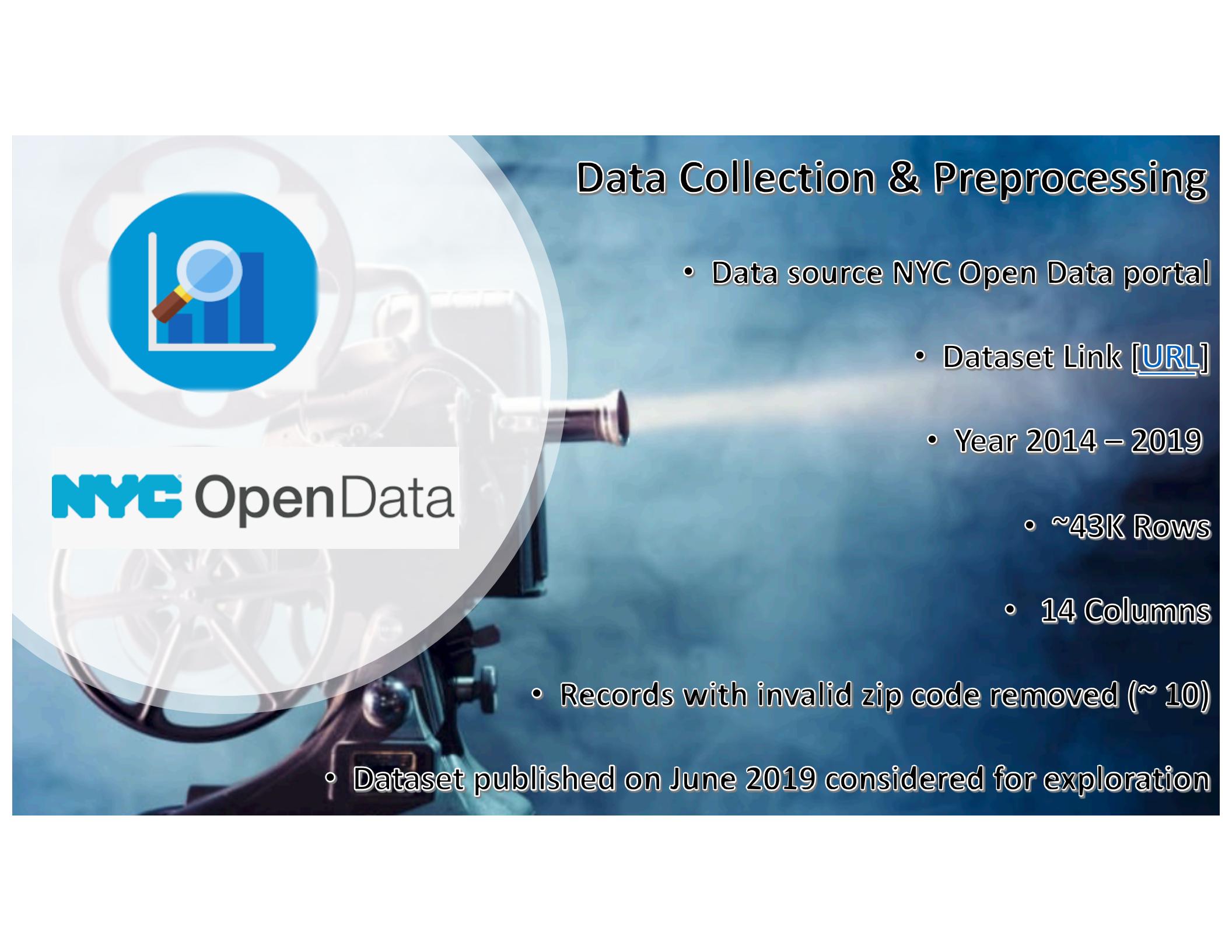
Background



New York City or The Big Apple is considered one of the greatest cities in the whole world having a cinematic identity that touches upon all walks of life. Some of the most iconic movies, television series, documentaries, short films, dramas, theatres, etc. have all revolved around this bustling metropolis. Let's try and follow the Big Apple filming trail by exploring the following areas:

- What are some of the most popular filming locations? Is there a change in preference over the years?
- Major categories and subcategories of filming?
- International movie filming statistics?
- Which month witnesses maximum filming typically?
- Which borough has maximum parking reservations for filming?
- What is the filming trend borough wise over the years?

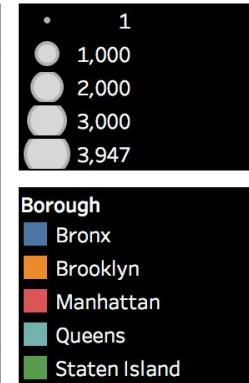
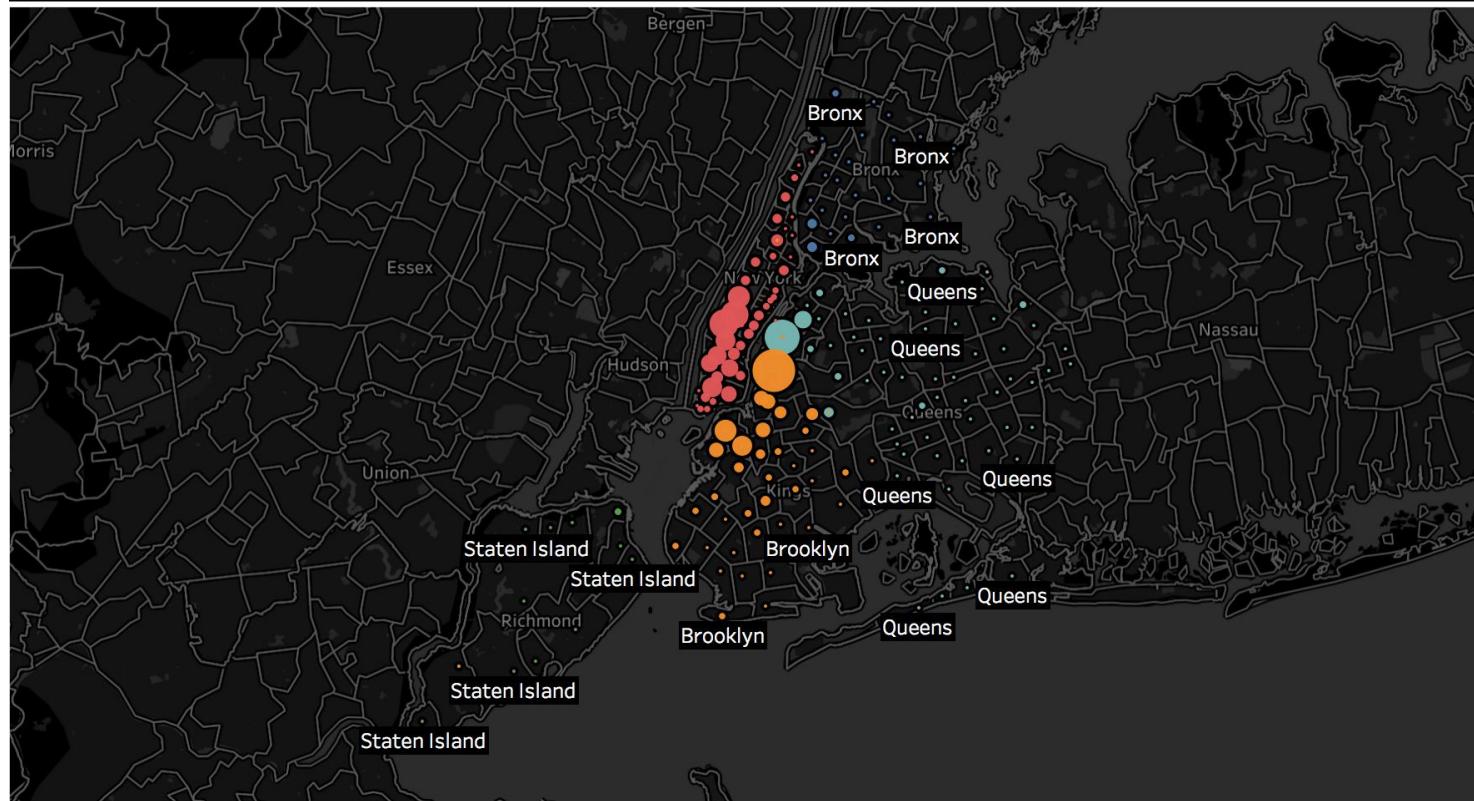




Data Collection & Preprocessing

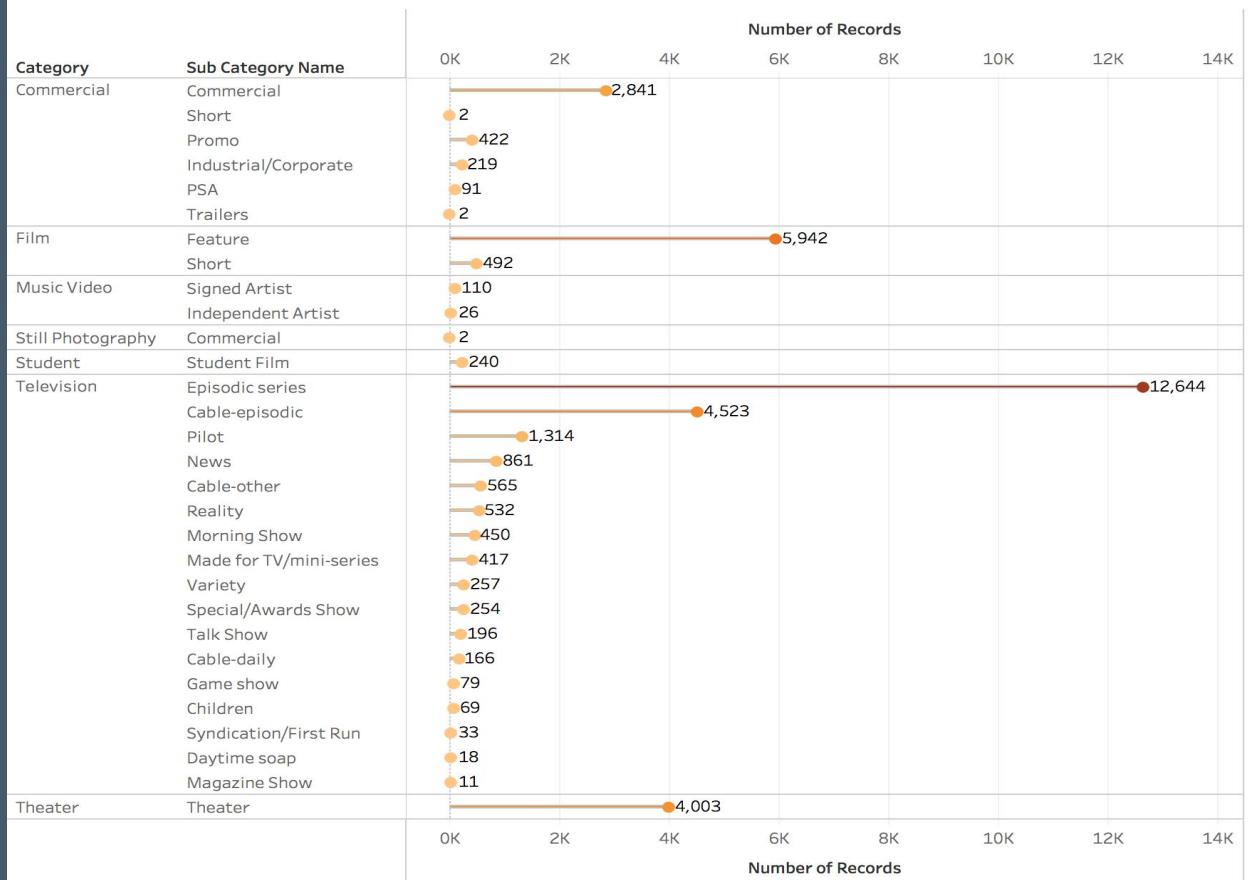
- Data source NYC Open Data portal
- Dataset Link [[URL](#)]
- Year 2014 – 2019
 - ~43K Rows
 - 14 Columns
- Records with invalid zip code removed (~ 10)
- Dataset published on June 2019 considered for exploration

Popular NYC Filming Locations



Map based on Longitude (generated) and Latitude (generated). Color shows details about Borough. Size shows sum of Number of Records. The marks are labeled by Borough. Details are shown for ZipCode(s). The view is filtered on Borough, which keeps Bronx, Brooklyn, Manhattan, Queens and Staten Island.

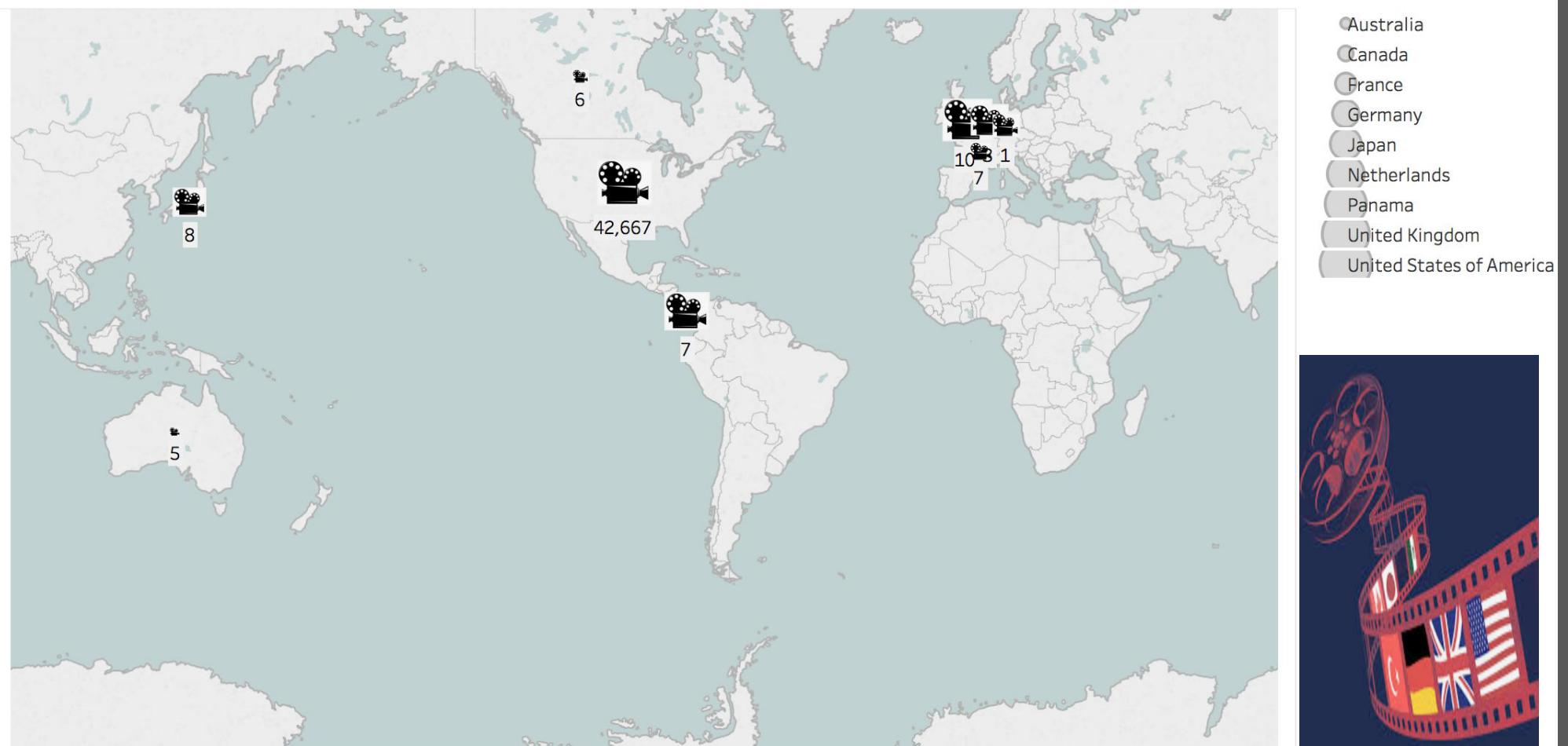
Count By Category & Subcategory



Sum of Number of Records and sum of Number of Records for each Sub Category Name broken down by Category. Color shows sum of Number of Records. The marks are labeled by sum of Number of Records. The view is filtered on Category and Sub Category Name. The Category filter keeps 9 of 9 members. The Sub Category Name filter has multiple members selected.



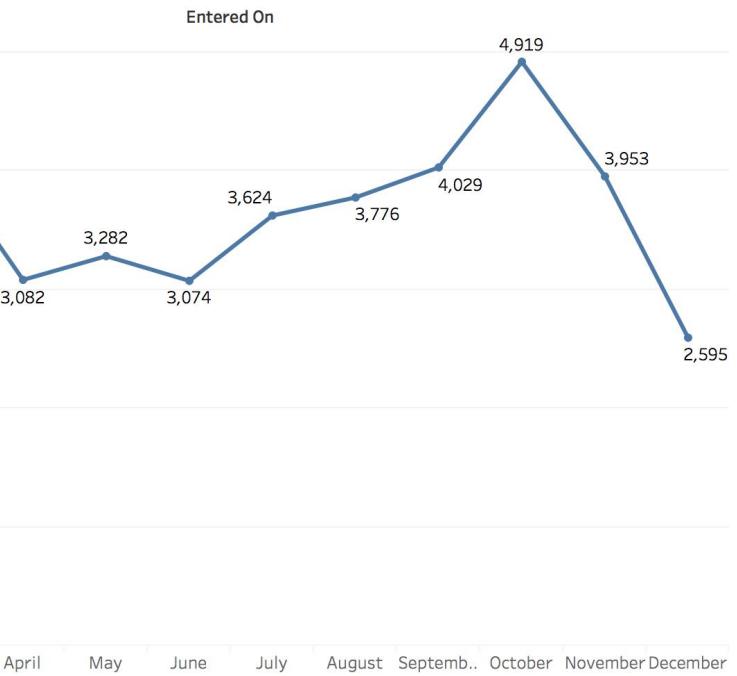
Count Based On Country Of Origin (Domestic & International)



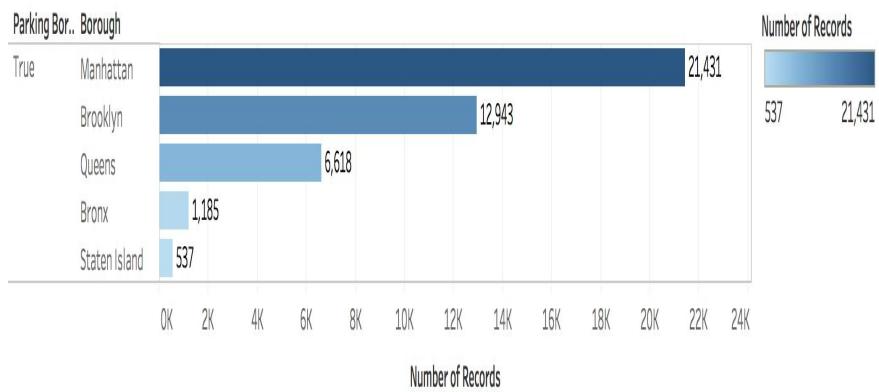
Map based on Longitude (generated) and Latitude (generated). Size shows details about Country. The marks are labeled by sum of Number of Records. The view is filtered on Country, which keeps 9 of 9 members.



Filming Statistics Across the City Month Wise



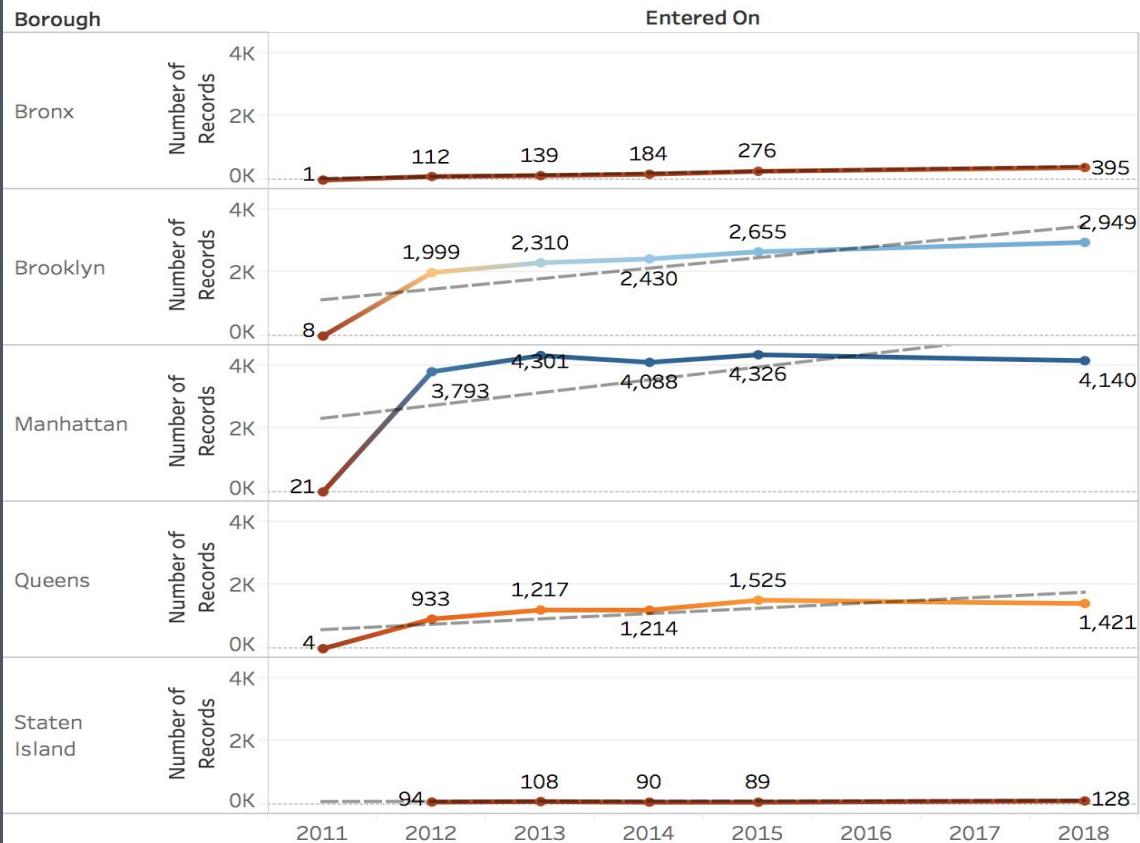
Parking Reservation Statistics Borough Wise



Sum of Number of Records for each Borough broken down by Parking Borough. Color shows sum of Number of Records.

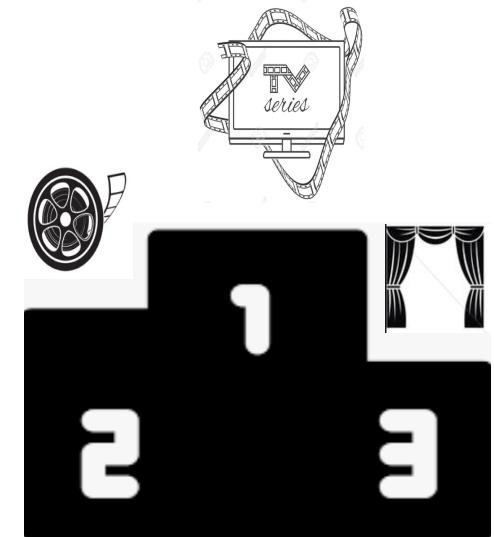
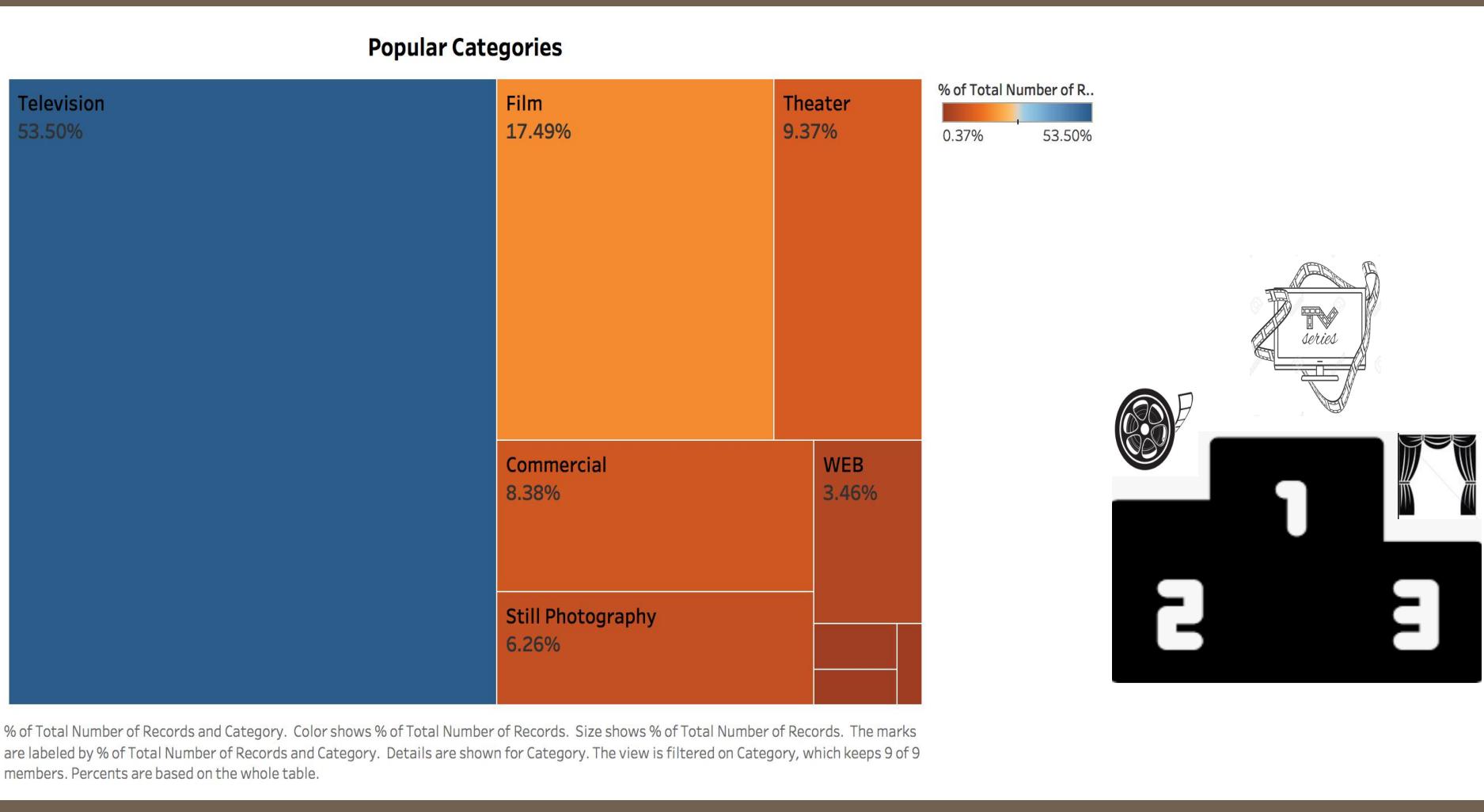


Borough Wise Filming Trends Over Years



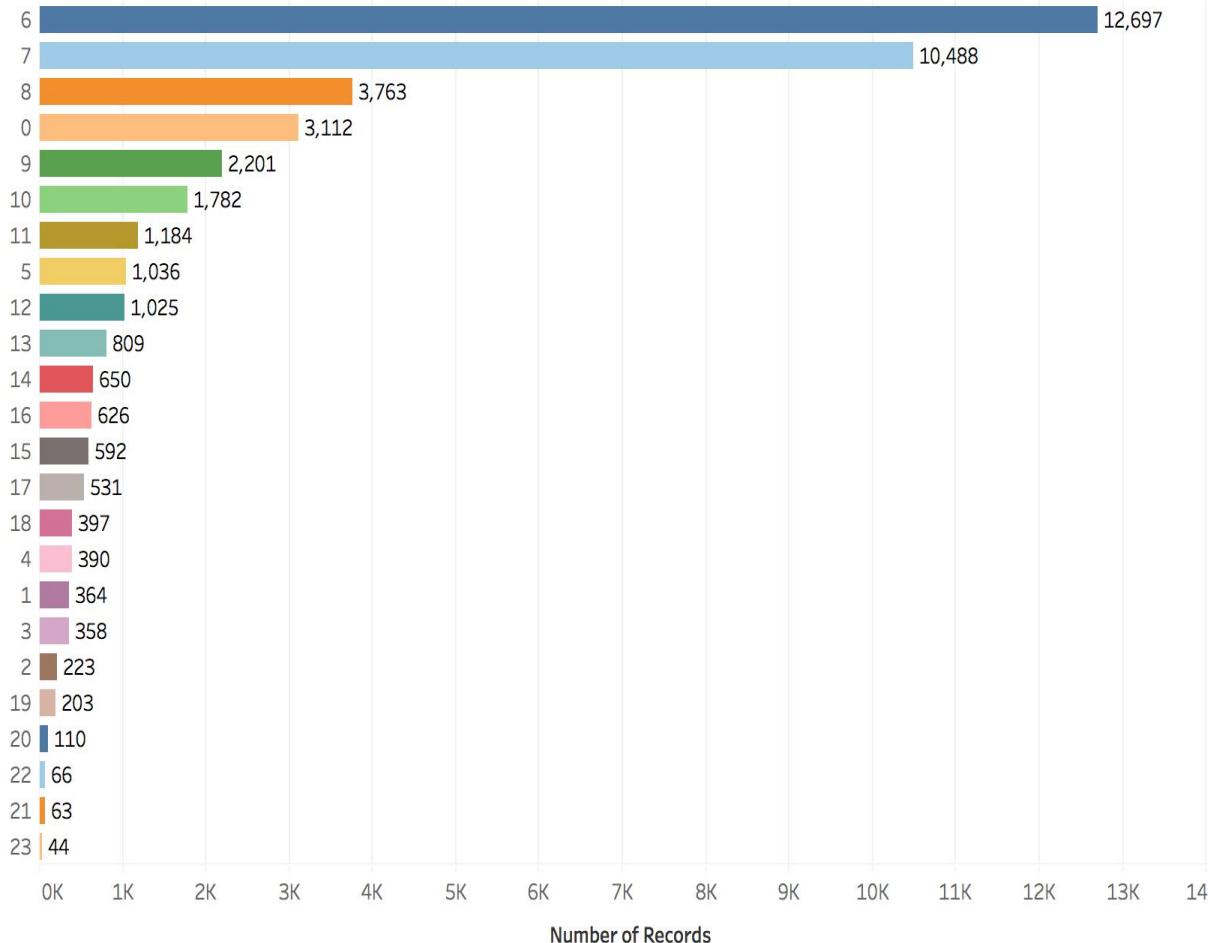
The trend of sum of Number of Records for Entered On Year broken down by Borough. Color shows sum of Number of Records. The marks are labeled by sum of Number of Records. The view is filtered on Entered On Year, which excludes 2017 and 2019.





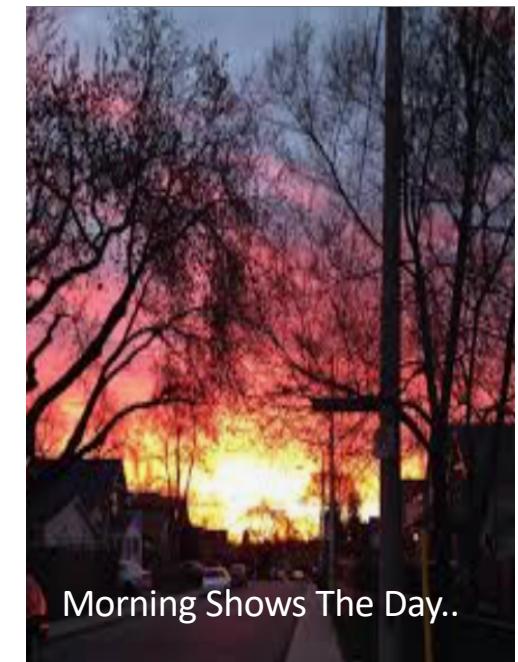
Popular Shooting Start Time Hour

Hour of Sta..



Hour of Start Hour

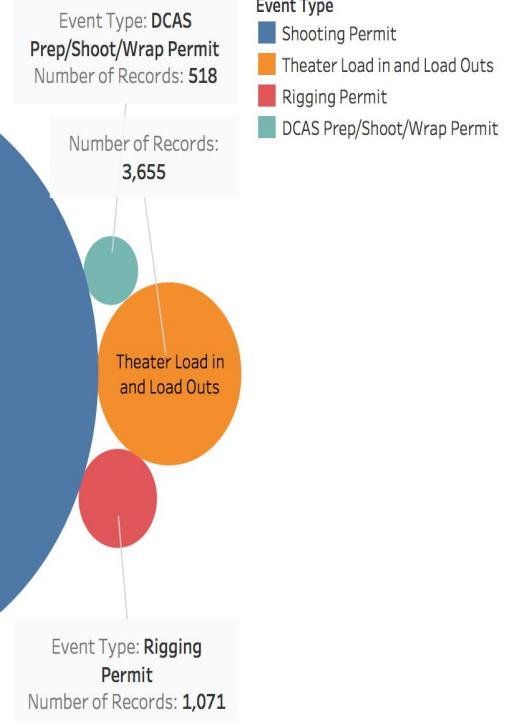
- 6
- 7
- 8
- 0
- 9
- 10
- 11
- 5
- 12
- 13
- 14
- 16
- 15
- 17
- 18
- 4
- 1
- 3
- 2
- 19
- 20
- 22
- 21
- 23



Sum of Number of Records for each Start Hour Hour. Color shows details about Start Hour Hour. The data is filtered on Start Date Time Hour, which keeps 24 of 24 members.



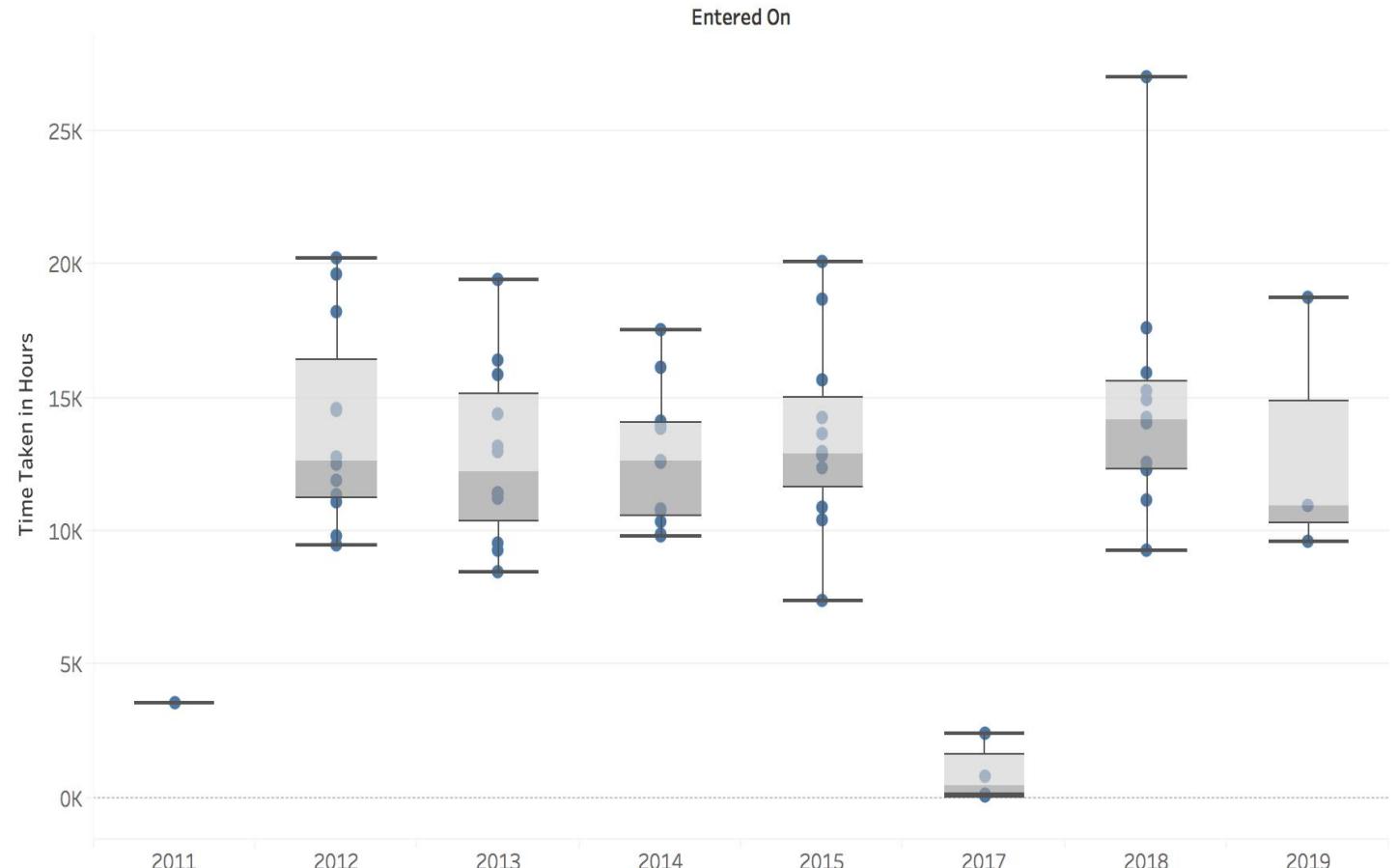
Different Types Of Permit



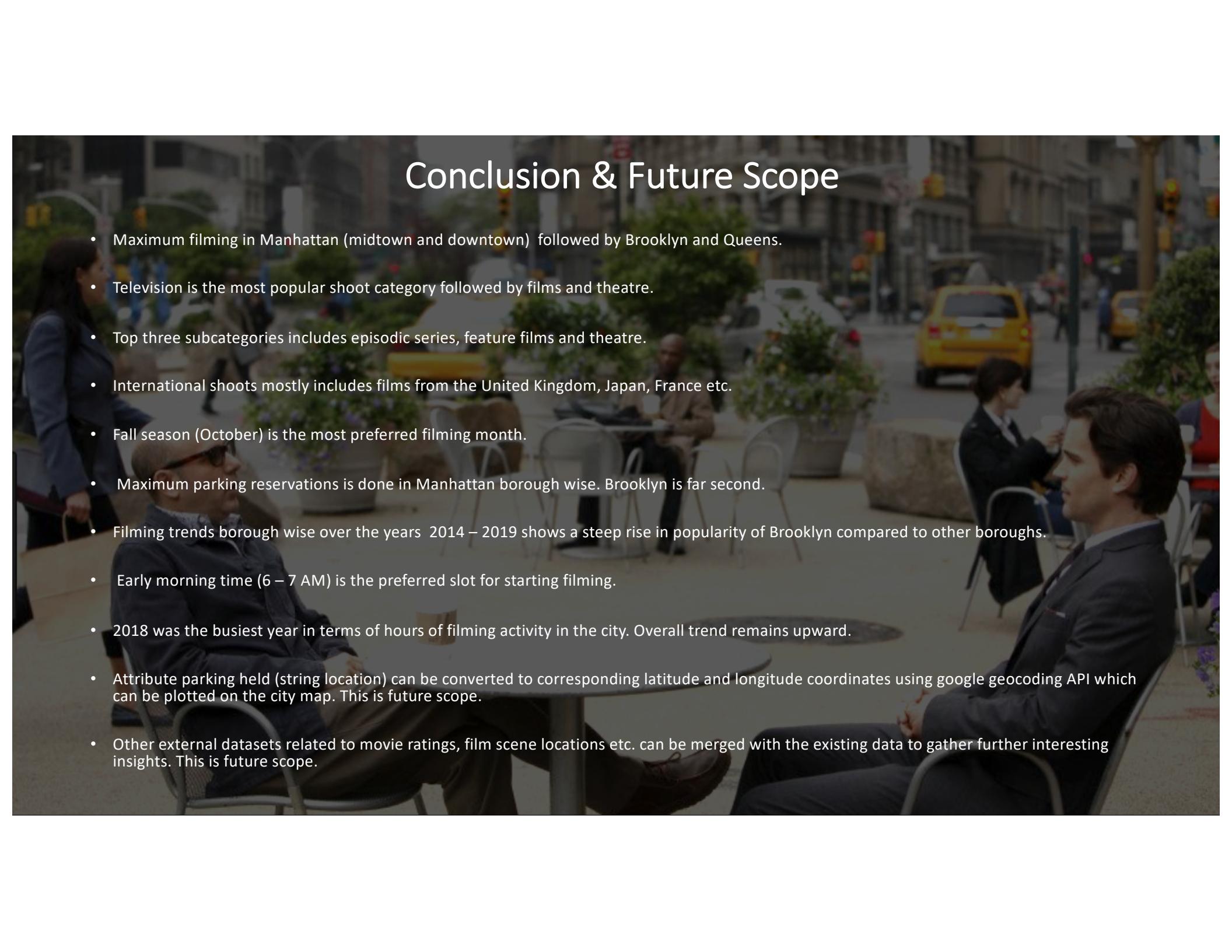
Event Type. Color shows details about Event Type. Size shows sum of Number of Records. The marks are labeled by Event Type.



Total Shoot Time For Each Category Over The Years



Sum of Shoot Time in Hours for each Entered On Year. Details are shown for Entered On Month. The data is filtered on Category and Borough. The Category filter keeps 9 of 9 members. The Borough filter keeps Bronx, Brooklyn, Manhattan, Queens and Staten Island.



Conclusion & Future Scope

- Maximum filming in Manhattan (midtown and downtown) followed by Brooklyn and Queens.
- Television is the most popular shoot category followed by films and theatre.
- Top three subcategories includes episodic series, feature films and theatre.
- International shoots mostly includes films from the United Kingdom, Japan, France etc.
- Fall season (October) is the most preferred filming month.
- Maximum parking reservations is done in Manhattan borough wise. Brooklyn is far second.
- Filming trends borough wise over the years 2014 – 2019 shows a steep rise in popularity of Brooklyn compared to other boroughs.
- Early morning time (6 – 7 AM) is the preferred slot for starting filming.
- 2018 was the busiest year in terms of hours of filming activity in the city. Overall trend remains upward.
- Attribute parking held (string location) can be converted to corresponding latitude and longitude coordinates using google geocoding API which can be plotted on the city map. This is future scope.
- Other external datasets related to movie ratings, film scene locations etc. can be merged with the existing data to gather further interesting insights. This is future scope.

Thank You!

