

# FILMING IN SAN FRANCISCO

## Data visual analysis with R

### 1. Introduction:

San Francisco is a popular tourist destination which is famous for scenic beauty, cultural attractions, diverse communities, and world-class cuisine. San Francisco has been home to thousands of film fans and filmmakers for decades. It has become well-known for hosting numerous major motion pictures and television series over the years. This project is going to analyze a listing of filming locations of movies shot in San Francisco starting from 1924. The trend line of movies through years, top 10 favorite places and top 10 actors that choose San Francisco for filming will be displayed through map and chart.

### 2. Data description:

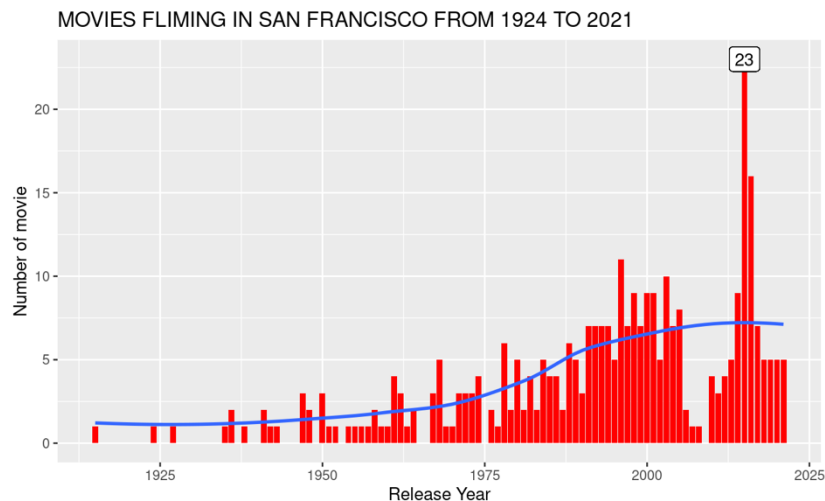
The data is taken from the San Francisco open data with the titles, locations, fun facts, names of the director, writer, actors, and studio for most of these films. It contains 1976 rows and 11 columns with the variables shown below.

```
$ Title           <chr> "A Jitney Elopement", "A Jitney Elopement", "Greed", "Greed", "Greed", "The J...
$ `Release Year`  <dbl> 1915, 1915, 1924, 1924, 1924, 1927, 1935, 1936, 1936, 1936, 1938, 1938, 1938,...
$ Locations       <chr> "20th and Folsom Streets", "Golden Gate Park", "Cliff House (1090 Point Lobos...
$ `Fun Facts`     <chr> NA, "During San Francisco's Gold Rush era, the Park was part of an area desig...
$ `Production Company` <chr> "The Essanay Film Manufacturing Company", "The Essanay Film Manufacturing Com...
$ Distributor     <chr> "General Film Company", "General Film Company", "Metro-Goldwyn-Mayer (MGM)", ...
$ Director       <chr> "Charles Chaplin", "Charles Chaplin", "Eric von Stroheim", "Eric von Stroheim...
$ Writer         <chr> "Charles Chaplin", "Charles Chaplin", "Eric von Stroheim", "Eric von Stroheim...
$ `Actor 1`      <chr> "Charles Chaplin", "Charles Chaplin", "Zasu Pitts", "Zasu Pitts", "Zasu Pitts...
$ `Actor 2`      <chr> "Edna Purviance", "Edna Purviance", "Gibson Gowland", "Gibson Gowland", "Gibs...
$ `Actor 3`      <chr> NA, NA, "Jean Hersholt", "Jean Hersholt", "Jean Hersholt", "Warner Oland", "J..."
```

The link for the database: <https://data.sfgov.org/Culture-and-Recreation/Film-Locations-in-San-Francisco/yitu-d5am>

### 3. Results:

- a. Through the line chart below, we can see that the number of movies choose San Francisco is increasing by years. 2015 is the year with the highest number filming with 23 movies.



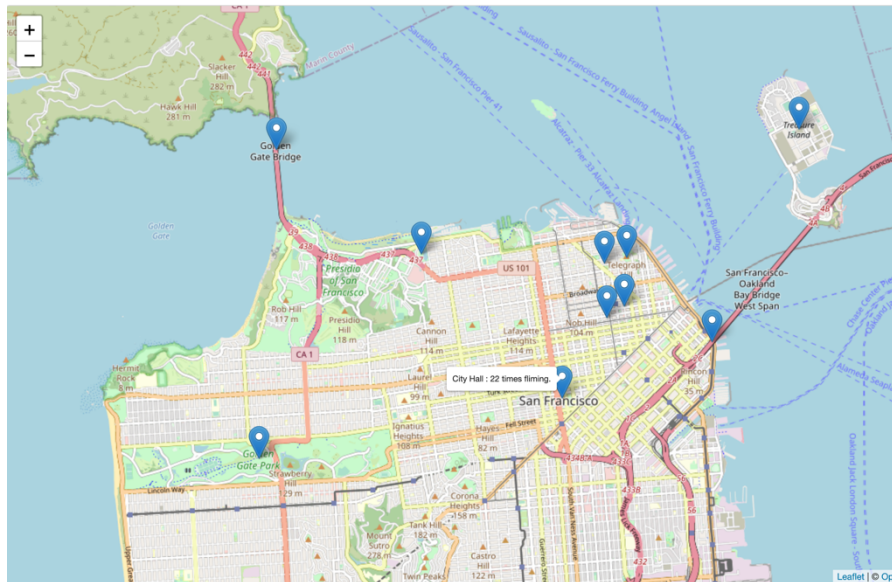
- b. Among 10 favorite places for filming in San Francisco. Golden Gate Bridge is the most popular with 27 movies. Among these movies, “Hulk” is one of “The Avenger’s” series that I was seen.

A tibble: 10 × 3

Locations <chr>	n <int>	Add <chr>
Golden Gate Bridge	27	Golden Gate Bridge SF, CA
City Hall	22	City Hall SF, CA
Fairmont Hotel	21	Fairmont Hotel (950 Mason Street, Nob Hill) SF, CA
Treasure Island	14	Treasure Island SF, CA
Coit Tower	13	Coit Tower SF, CA
Palace of Fine Arts	11	Palace of Fine Arts (3301 Lyon Street) SF, CA
Chinatown	10	Chinatown SF, CA
St. Peter & Paul's Church	10	666 Filbert St, San Francisco, CA 94133
Bay Bridge	9	Bay Bridge SF, CA
Golden Gate Park	9	Golden Gate Park SF, CA

1-10 of 10 rows

Here is the map with 10 favorite places for filming in San Francisco (made with leaflet library)



c. The actors that film in San Francisco with the most times is Murray Barlett (with a series of “Looking”, Hugh Laurie and Ethan Suplee (with a series of “Chance”) .The list also has Eddie Murphy, my favorite actor, as one of 10 actors have movies filming in San Francisco with the number of 5, include the series of Doctor Dolittle.

