



# SF Bay Area Bike Share

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May 15th, 2019



The background of the slide is a dense, abstract pattern of many small, overlapping, colorful shapes in shades of red, yellow, blue, and green, resembling a microscopic view of a material or a complex network.

# Motivation

- San Francisco Bay Area traffic is terrible!
- Bikes are great!
- SF Bay Area Bike Share created a network of loaner bikes with stations all over the bay area





<https://www.wired.com/author/laura-mallonee>



<https://www.theatlantic.com/photo/2018/03/bike-share-oversupply-in-china-huge-piles-of-abandoned-and-broken-bicycles/556268/>





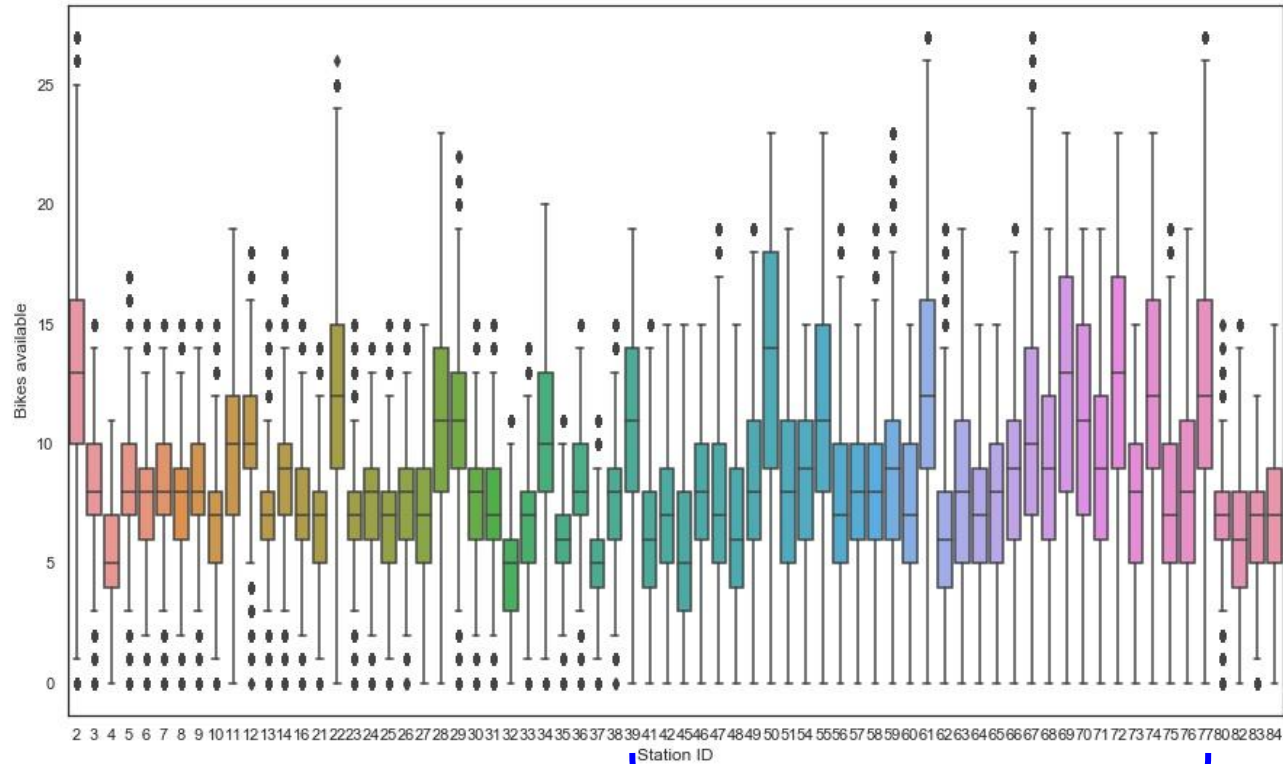
# Overview

- SF Bay Area Bike Share data
- > 2 GB
- Data from Kaggle:  
<https://www.kaggle.com/benhamner/sf-bay-area-bike-share>
- Four csv files for:
  - Stations
  - Status
  - Trips
  - Weather

# Overview

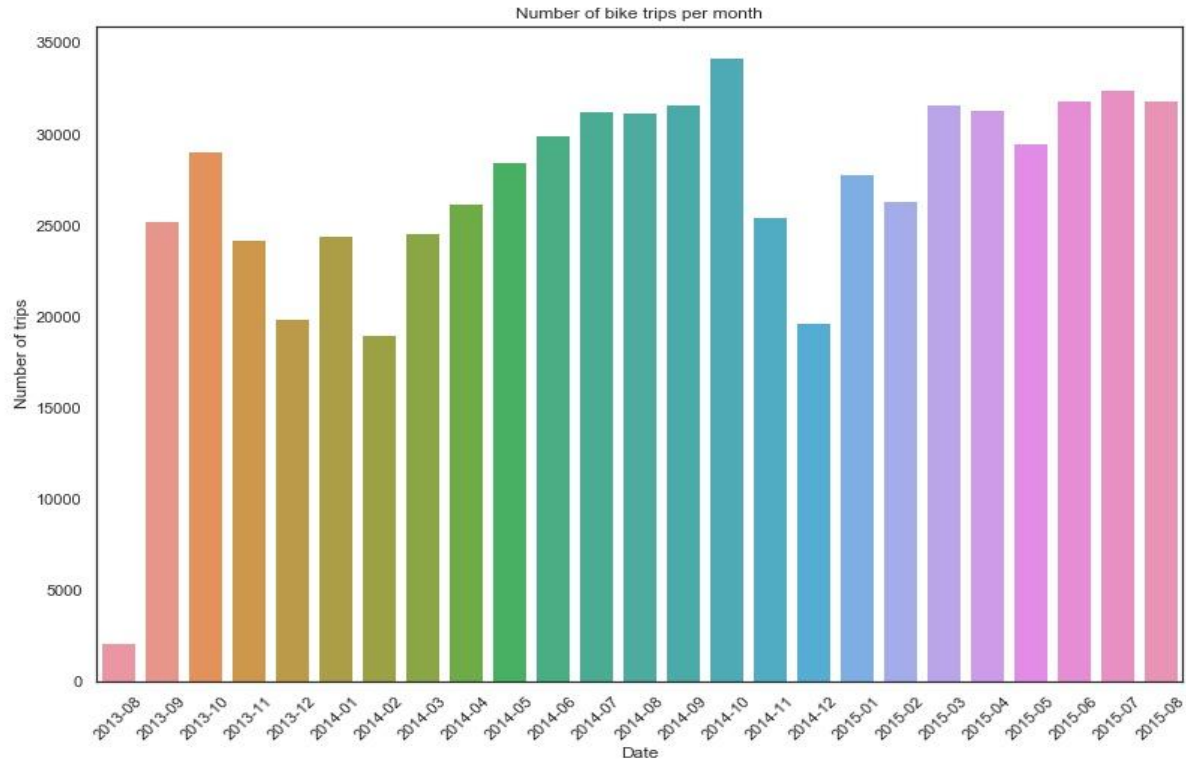
- Utilized:
  - Python
  - Pandas
  - Matplotlib
  - Seaborn

# Bike availability by station



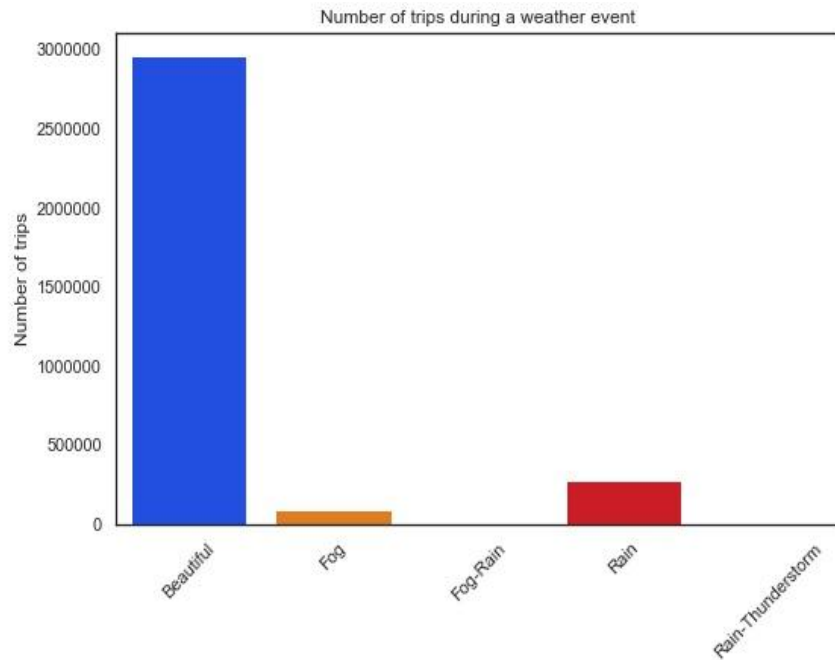
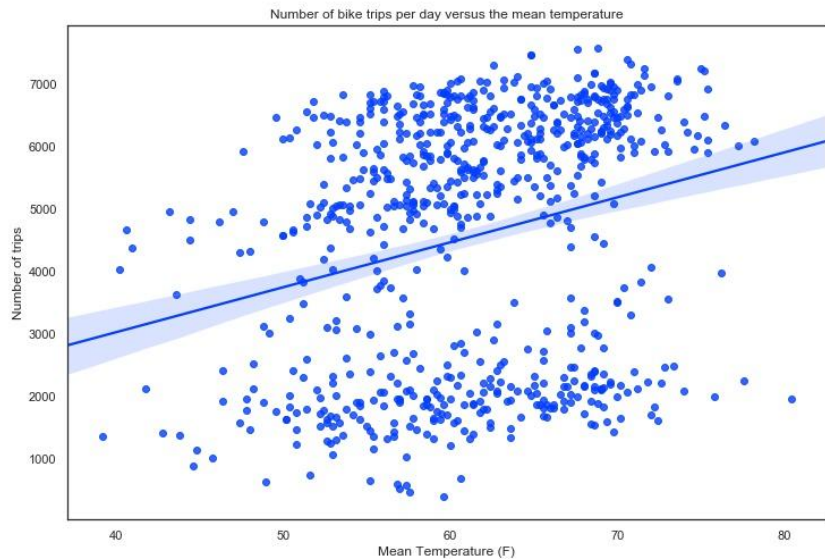
San Francisco

# Number of bike trips per month





# What impact does the weather have?





# Future Plans

- SF Bay Area Bike Share is no more
- New company is Ford GoBike
  - They also provide data:
  - Member age
  - Member gender
  - Subscriber or casual user