**Bike Share**A picture containing parked, blue

Description automatically generated

Bike-sharing systems are a means of renting bicycles where the process of obtaining membership, rental, and bike return is automated via a network of kiosk locations throughout a city. Using these systems, people are able rent a bike from one location and return it to a different place on an as-needed basis. Currently, there are over 500 bike-sharing programs around the world.

The data for two major cities in the United States—Chicago and New York City generated by these systems make them attractive for researchers because the duration of travel, departure location, arrival location, and time elapsed is explicitly recorded. Therefore, Bike-sharing systems function as a sensor network, which can be used to study mobility in a city. In this competition, participants are asked to combine historical usage patterns with weather data in order to forecast bike rental demand in the Capital Bikeshare program in Chicago, D.C.

Randomly selected data for the first six months of 2017 are provided for all two cities. All two of the data files contain the same core of **eight (8)** columns:

* Start Time (e.g., 2017-01-01 00:07:57)
* End Time (e.g., 2017-01-01 00:20:53)
* Trip Duration (in seconds - e.g., 776)
* Start Station (e.g., Broadway & Barry Ave)
* End Station (e.g., Sedgwick St & North Ave)
* User Type (Subscriber or Customer)
* Gender (Male, Female)
* Birth Year (1998, 1981) Subscriber
* Snapshot from Dataset:

Graphical user interface, application, table

Description automatically generated

**Flow Of Components**

1. Graphical user interface, application

   Description automatically generatedA picture containing timeline

   Description automatically generated**Flat File (Chicago)**

Table

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Table

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Table

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Graphical user interface, table

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1. Excel (New York)

Diagram

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Diagram

Description automatically generated with medium confidence

Graphical user interface, table

Description automatically generatedGraphical user interface, text, application

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Table

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Graphical user interface, table

Description automatically generated

## Dashboard

## Graphical user interface, application Description automatically generated

## Line Chart

## Chart, line chart Description automatically generated

## In This time series and Trending Traffic is increasing after March maybe the weather affects the rental where the freezing weather affects the rental of bikes, as people resort to cars.

## Histogram

## Chart, histogram Description automatically generated

## It's observed from the chart that the most commonly their client's ages are between 26 to 45.

## Bar Chart

## Chart Description automatically generated

## Most rent operation applied by Subscriber with 51.80KG somehow people tend to save your money and caught offers.

## Pie Chart

## Chart, pie chart Description automatically generated

## It’s observed from chart that Male Ratio is most common with 71.7%

## Women are delicate characters which tends to nice vehicles <3

## Area Chart

## Chart Description automatically generated

## Max Traffic on Sunday to Wednesday which is holiday in USA and client use bikes for short trip

## Bar chart in horizontal

## A screenshot of a computer Description automatically generatedA screenshot of a computer Description automatically generated

## Top Common Start & End Station is Streeter Dr & Grend Ave

## Graphical user interface, text Description automatically generatedCard

* Top Common End To End Station is Lake Shore Dr & Monroe St : Streeter Dr & Grend Ave

1. A picture containing icon

   Description automatically generatedDonut Chart

* Somehow ratio of traffic is similar in Two region