**Codebook for Bay Area bikesharing Dataset**

# Data Overview

## Credentials

This data set can be downloaded from BigQuery – Google’s data warehouse.

* The direct link to exploring this data in the BigQuery console is: <https://cloud.google.com/bigquery/public-data/bay-bike-share>
* The direct link to exported table is (using SQL & R skills):  
  https://github.com/AmitaiSe/Business-Data-Analytics-Group-5/blob/master/bikeshare\_trips.csv

## Business goal

This data was collected to answer the question:

????

## Data description

This data set is a data frame of 11 variables over 100,000 rows. Each row represent a rider’s trip on rented bike from Bay Area Bike Share Company in San Francisco.  
There are no missing values in the data.

# Variables description

|  |  |  |
| --- | --- | --- |
| **Variable Name** | **Type** | **Description** |
| **trip\_id** | INTEGER | Numeric ID of bike trip |
| **duration\_sec** | INTEGER | Time of trip in seconds |
| **start\_date** | TIMESTAMP | Start date of trip with date and time, in PST |
| **start\_station\_name** | STRING | Station name of start station |
| **start\_station\_id** | INTEGER | Numeric reference for start station |
| **end\_date** | TIMESTAMP | End date of trip with date and time, in PST |
| **end\_station\_name** | STRING | Station name for end station |
| **end\_station\_id** | INTEGER | Numeric reference for end station |
| **bike\_number** | INTEGER | ID of bike used |
| **zip\_code** | STRING | Home zip code of subscriber (customers can choose to manually enter zip at kiosk however data is unreliable) |
| **subscriber\_type** | STRING | Subscriber = annual or 30-day member; Customer = 24-hour or 3-day member |