

PROJECT OBJECTIVES

Team ID	PNT2022TMID23401
Project Name	A New Hint to Transportation- Analysis of the NYC Bike Share System

- The project mainly focuses on the analysis of New York City's Citi-Bike share system to understand the spatial design considerations as well as usage patterns.
- The Citi-bike trip data set was massive in size containing over a million observations per month. So, in order to better understand data set for generating useful visualizations for developing more relevant insights about the system, a set of descriptive statistics were generated.
- It's important to provide better data visualizations and reduce the complexity of the dataset. So IBM Cognos Analytics is used and the requirements are explained using this project.
- It's important to know the fundamental concepts and then one can work on the IBM Cognos Analytics Platform
- One can gain a broad understanding of plotting different graphs
- Be able to create meaningful dashboards

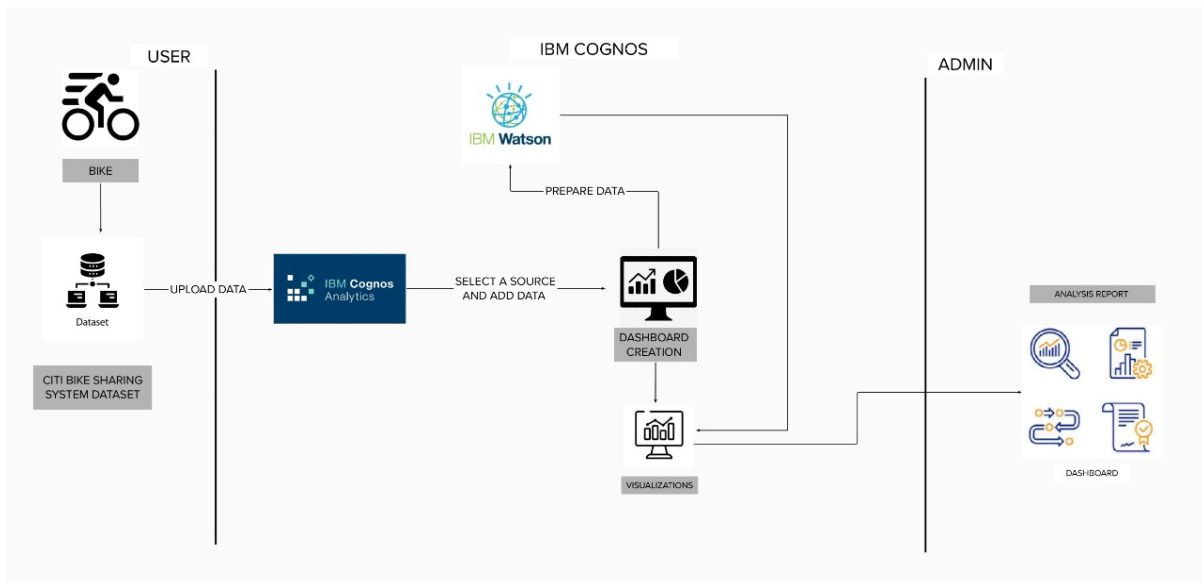
GOAL OF THE PROJECT

The goal of this analysis is to create an operating report of Citi Bike for the year 2018. The following data visualizations are created to understand the report

1.Total Number of Trips

- 2.What is Customer and subscriber with gender
- 3.Find the top bike used with respect to trip duration?
- 4.Calculating the number of bikes used by respective age groups
- 5.Top 10 Start Station Names with respect to Customer age group

TECHNICAL ARCHITECTURE



- Multiple analytical graphs/charts/Visualizations can be created.
- Using the Analytical Visualizations, we can build the required Dashboard(s).
- Saving and visualizing the final dashboard in the IBM Cognos Analytics platform.