

**Project Objectives**  
**A New Hint to Transportation-Analysis of the NYC Bike Share System**

Date	15 November, 2022
Team ID	PNT2022TMID15660
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Project Name	A New Hint to Transportation- Analysis of the NYC Bike Share System
Maximum Marks	8 Marks

**PROJECT OBJECTIVES**

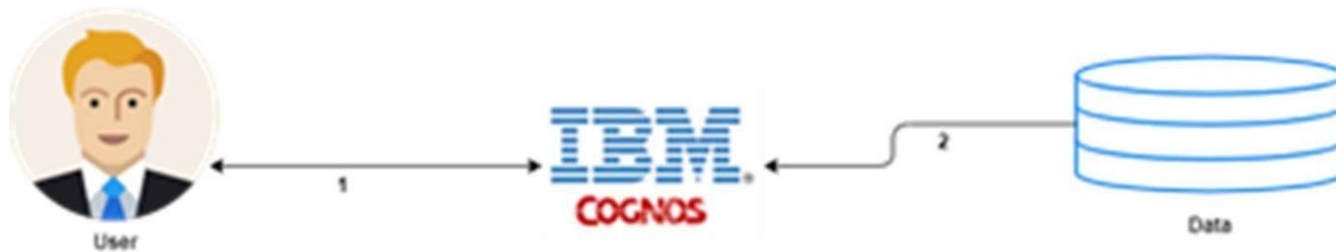
- The project mainly focuses on the analyses New York City’s Citi-Bike share system to understand the spatial design considerations as well as usage patterns that emerge from this analysis.
- The Citi-bike trip data set was a massive in size containing over a million observations per month. So, in order to better understand data set for generating useful visualizations for developing more relevant insight 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 for that we use IBM Cognos Analytics and explain the requirements using this projects.

## GOAL OF THE PROJECT

- The final goal is to use this analysis as the basis for developing CO2e emission numbers normalized by passenger kilometer travelled (PKT) for a bike share program so that it may be compared to other modes of transportation.

## Technical Architecture:



- Project Flow Users create multiple analytical graphs/charts/Visualizations.
- Using the Analytical Visualizations, build the required Dashboard(s).
- Saving and visualizing the final dashboard in the IBM Cognos Analytics.