**City-Bike-Project-Management-Analytics-with-Tableau**

Since 2013, the Citi Bike Program has implemented a robust infrastructure for collecting data on the program's utilization. Through the team's efforts, each month bike data is collected, organized, and made public on the Citi Bike Data webpage.

However, while the data has been regularly updated, the team has yet to implement a dashboard or sophisticated reporting process. City officials have a number of questions on the program, so your first task on the job is to build a set of data reports to provide the answers.

**Task**

Our task in this project is to aggregate the data found in the City Bike trip History Logs to builda dashboard, story or report. You may work with a timespam of your choosing. Optionally, you may merge multiple datasets from different periods. The folloowing are the quetions you may wish to tackle, especially if you are working with merged dataset. Do not limit yourself to these questions;

**Task need to to do achieved:**

* Acquire data, dump the data into some of the datasers(SQL, MongoDB, casendra local or cloud version)
* Connect with the business users and try to get the understanding the data attribute.
* Connect with the business users and try to get the understanding about KPI(Key performance Indicator)
* A KPI is a measureable value that demonstrates how effecivly a company is achieving key business abjective.
* Connect with business user with raw visualization and gather user experience and expectations feedback baced on ese of use.
* Decise total number of dashboard based on user hierarchy and organization.
* Start building production-based dashboaed.
* Below are the KPI which need to captured.

1. How many trips have been recorded total during the chosen period?
2. By what percentage has total ridership grown?
3. How ha the proportion of short-term customers and annual subscribers changed?
4. What are the pick hours in which bikes are used dusring summer month?
5. What are the pick hours in which bikes are used dusring winter month?
6. Today, what are the top 10 stations in the city for starting a journey?(Based on data, why do you hypothesize these are the top locations?)
7. Today, what are the top 10 stations in the city for ending a journey?(Based on data, why?)
8. Today, what are the bottom 10 stations in the city for starting a journey?(Based on data, why?)
9. Today, what are the bottom 10 stations in the city for ending a journey?(Based on data, why ?)
10. Today, what are the gender breakdown of active partcipants(Male vs Female)?
11. How effective has gender outrach been in increasing female ridership over the timespan?
12. How does the average trip duration changes by age?
13. What is the average distance in miles that bike is ridden?