

## Project case study – Bike Sharing case study

### **Bike-sharing-assignment**

A bike-sharing system is a service in which bikes are made available for shared use to individuals on a short term basis for a price or free. Many bike share systems allow people to borrow a bike from a "dock" which is usually computer-controlled wherein the user enters the payment information, and the system unlocks it. This bike can then be returned to another dock belonging to the same system.

### **General Information**

A US bike-sharing provider BoomBikes has recently suffered considerable dips in their revenues due to the ongoing Corona pandemic. The company is finding it very difficult to sustain in the current market scenario. So, it has decided to come up with a mindful business plan to be able to accelerate its revenue as soon as the ongoing lockdown comes to an end, and the economy restores to a healthy state.

### **The company wants to know:**

Which variables are significant in predicting the demand for shared bikes.

How well those variables describe the bike demands

Dataset Info: data set is attached with the project file

Milestone	Duration	Task start - End Date
Kick off and Business Objective discussion	1 day	25-06-2022
Data set Details	1 Week – 1 ½ week	
EDA	1 Weeks – 1 ½ week	
Model Building	1 Week – 1 ½ week	
Model Evaluation	1 week	
Feedback		
Deployment	1 Week	
Final presentation	1 day	

Acceptance criteria: To build the best model which gives the maximum performance, and need to deploy the model with either RShiny or Flask/ stream lit

Protocols: 1) All participants should add here to agreed timelines and timelines will not be extended 2) All the documentation – Final presentation and R/python code to be submitted before the final presentation day 3) All the participants must attend review meetings