

Bike Sharing Demand Prediction





Problem Specification

- A US bike-sharing provider `BoomBikes` has a daily dataset on the rental bikes based on various environmental and seasonal settings.
- It wishes to use this data to understand the factors affecting the demand for these shared bikes in the American market and come up with a mindful business plan to be able to accelerate its revenue as soon as the ongoing lockdown due to corona pandemic comes to an end.
- Essentially, the company wants to know:
 - Which variables are significant in predicting the demand for shared bikes.
 - How well those variables describe the bike demands



Machine Learning Model

- The solution is divided into the following sections:
 - Data understanding and exploration
 - Data Visualization
 - Data preparation
 - Model building and evaluation



Let's get coding