# Project Description

This project focus on the bike share program’s rebalancing issue, aiming to answer a question: “How many bikes will meet users’ demand in a future certain time.” The aim of this project is to build mathematical models to predict bike rental demand by combining historical usage patterns with the related information of users, weather, holiday and weekend

# Prerequisites

In Python, make sure in your environment below packages are installed.

numpy, pandas, matplotlib, seaborn and sklearn

In R, make sure below packages are installed:

ggplot2, dplyr, randomForest, gridExtra, ggcorrplot, usdm, caret and moments

# Files Detail

* day.csv containing dataset
* python\_bike\_rent\_prediction.py contain implementation in Python
* r\_bike\_rent\_prediction.R contain implementation in R
* project\_report.pdf contain Process and analysis done during this project

**Note:** make sure to change path as per file location