Project Name - Bike Renting

Deadline - 15 Days

Data Set -
1) day.csv

Problem statement -

The objective of this Case is to Predication of bike rental count on daily based on the environmental and seasonal settings.
The details of data attributes in the dataset are as follows -

instant: Record index
dteday: Date
season: Season (1:springer, 2:summer, 3:fall, 4:winter)
yr: Year (0: 2011, 1:2012)
mnth: Month (1 to 12)
hr: Hour (0 to 23)
holiday: weather day is holiday or not (extracted fromHoliday Schedule)
weekday: Day of the week
workingday: If day is neither weekend nor holiday is 1, otherwise is 0.
weathersit: (extracted fromFreemeteo)
1: Clear, Few clouds, Partly cloudy, Partly cloudy
2: Mist + Cloudy, Mist + Broken clouds, Mist + Few clouds, Mist
3: Light Snow, Light Rain + Thunderstorm + Scattered clouds, Light Rain + Scattered clouds
4: Heavy Rain + Ice Pallets + Thunderstorm + Mist, Snow + Fog
temp: Normalized temperature in Celsius. The values are derived via
(t-t_min)/(t_max-t_min),
t_min=-8, t_max=+39 (only in hourly scale)
atemp: Normalized feeling temperature in Celsius. The values are derived via
(t-t_min)/(t_max-
t_min), t_min=-16, t_max=+50 (only in hourly scale)
hum: Normalized humidity. The values are divided to 100 (max)
windspeed: Normalized wind speed. The values are divided to 67 (max)
casual: count of casual users

registered: count of registered users
cnt: count of total rental bikes including both casual and registered

Deliverables :

1) Code written in both R and Python
2) Example of output with a sample input.
3) Comprehensive project report (please take reference from this sample project report)

Evaluation Basis

This project will be evaluated on following basis -

1) **Quality of R and Python code -** Your R and Python code should be highly optimized according to industry standards taught to you in your curriculum.

2) **Project report -** Your project report should be detailed and comprehensive as given in the sample.

3) **Originality of code -** Your code will be checked for plagiarism and if it's not original, it will be discarded with a negative skill score.

Warning - Do not submit incomplete projects or projects that are not running. They will result in negative skill score. Also, you are not allowed to seek help from discussion board or any individual at all. Taking such help will be considered plagiarism and will violate the terms and conditions associated with project stage on edwisor.com