Instructions for Day 3

Navigate to the location where you have unzipped the day3 folder and open jupyter notebook. You can refer “Getting started” pdf from Day2 to refresh your memory on how to open jupyter.

Description of files

Readme.pdf : Readme file

Day3.ipynb : Jupyter notebook

train.csv, winequality.csv : datasets

Data Dictionary

For train.csv;

instant	record index
dteday	date
season	season (1: spring, 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 from [Web Link])
weekday	day of the week
workingday	if day is neither weekend nor holiday is 1, otherwise is 0.
weathersit	
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

For winequality.csv

0	ID
1	fixed acidity
2	volatile acidity
3	citric acid
4	residual sugar
5	chlorides
6	free sulfur dioxide
7	total sulfur dioxide
8	density
9	pH
10	sulphates
11	alcohol
Output variable (based on sensory data):	
12	quality (score between 0 and 10)