**Attribute Information:**

**Date** : year-month-day  
**Rented Bike count:** Count of bikes rented at each hour, the response variable   
**Hour:** Hour of the day  
**Temperature:** Temperature in Celsius  
**Humidity:** in %  
**Windspeed:** m/s  
**Visibility:** 10m  
**Dew point temperature**: Celsius  
**Solar radiation:** MJ/m2  
**Rainfall:** mm  
**Snowfall:** cm  
**Seasons:** Winter, Spring, Summer, Autumn  
**Holiday:** Holiday/No holiday, indicating if the corresponding date is a public holiday or not  
**Functional Day:** NoFunc(Non Functional Hours), Fun(Functional hours), the variable indicates the days when the rental bike system does not operate.

Data exploration

A comprehensive and

descriptive exploration

of variables and

analysis with suitable

plots and statistical

methods. The use of

the plots/statistical methods is well

justified.

To be comprehensive

the exploration and

analysis should:

1. Justify the

characteristics of

variables, potential

association/interaction

between variables, and

variable transformation

using proper plots and

diagnostics.

2. Provide a

comprehensive

analysis of important

findings, which

demonstrates excellent

data insight and high

level of understanding

of exploratory data

analysis.