Data Dictionary.

Input data

| **Predictor** | **Description** |
| --- | --- |
| datetime | Date and hour of the day |
| season | 1 = spring, 2 = summer, 3 = fall, 4 = winter |
| holiday | whether the day is considered a holiday –(1 – holiday, 0 – not a holiday) |
| workingday | whether the day is neither a weekend nor holiday ( 1- working day, 0 – not a working day) |
| weather | 1: Clear, Few clouds, Partly cloudy, Partly cloudy  (Nice to bike on) 2: Mist + Cloudy, Mist + Broken clouds, Mist + Few clouds 3: Light Snow, Light Rain + Thunderstorm + Scattered clouds, Light Rain + Scattered clouds  4: Heavy Rain + Ice Pallets + Thunderstorm + Mist, Snow + Fog |
| temp | temperature in Celsius |
| atemp | "feels like" temperature in Celsius |
| humidity | relative humidity |
| windspeed | wind speed |

Derived or Dummy Features

|  |  |
| --- | --- |
| **Derived Feature (Predictor)** | **Description** |
| weekend | 1 – means weekend; 0 – not a weekend. (The input data provided called out working days and holidays but not weekends) |
| hrofday | 0-23 hrs of the day as the rental demand depends on the time of the day. |
| dayofmth | 1-end of the month |
| mth | 1-12 (jan to dec) |
| peak | Peak hours – they vary by the renter type  Registers users seem to use for work commute (8-9am and 4-6pm)  Casual users peak hours are 9am to 6pm |
| rollingmth | 1-24 for the rolling month. The users may be increasing per month as program gets popular |
| dayofweek | 1-7 for day of the week 1 – Monday 7-Sunday |