# Dataset: Bike sharing

| **Variable Name** | **Role** | **Type** | **Description** | **Units** | **Missing Values** |
| --- | --- | --- | --- | --- | --- |
| instant | ID | Integer | record index |  | no |
| date | Feature | Date | date |  | no |
| season | Feature | Categorical | 1:winter, 2:spring, 3:summer, 4:fall |  | no |
| year | Feature | Categorical | year (0: 2011, 1: 2012) |  | no |
| month | Feature | Categorical | month (1 to 12) |  | no |
| holiday | Feature | Binary | weather day is holiday or not (extracted from http://dchr.dc.gov/page/holiday-schedule) |  | no |
| weekday | Feature | Categorical | day of the week |  | no |
| workingday | Feature | Binary | if day is neither weekend nor holiday is 1, otherwise is 0 |  | no |
| weathersit | Feature | Categorical | - 1: Clear, Few clouds, Partly cloudy, Partly cloudy |  | no |
| temp | Feature | Continuous | 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) | C | no |
| atemp | Feature | Continuous | 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) | C | no |
| humidity | Feature | Continuous | Normalized humidity. The values are divided to 100 (max) |  | no |
| windspeed | Feature | Continuous | Normalized wind speed. The values are divided to 67 (max) |  | no |
| casual | Other | Integer | count of casual users |  | no |
| registered | Other | Integer | count of registered users |  | no |
| count | Target | Integer | count of total rental bikes including both casual and registered |  | no |