

# Dataset characteristics

day.csv have the following fields:

- instant: record index
- dteday : date
- season : season (1:spring, 2:summer, 3:fall, 4:winter)
- yr : year (0: 2018, 1:2019)
- mnth : month ( 1 to 12)
- holiday : weather day is a holiday or not (extracted from

<http://dchr.dc.gov/page/holiday-schedule>)

- 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 : temperature in Celsius
- atemp: feeling temperature in Celsius
- hum: humidity
- windspeed: wind speed
- casual: count of casual users
- registered: count of registered users
- cnt: count of total rental bikes including both casual and registered

# License

Use of this dataset in publications must be cited to the following publication:

[1] Fanaee-T, Hadi, and Gama, Joao, "Event labeling combining ensemble detectors and background knowledge", Progress in Artificial Intelligence (2013): pp. 1-15, Springer Berlin Heidelberg, doi:10.1007/s13748-013-0040-3.

```
@article{
  year={2013},
  issn={2192-6352},
  journal={Progress in Artificial Intelligence},
  doi={10.1007/s13748-013-0040-3},
  title={Event labeling combining ensemble detectors and background knowledge},
  url={http://dx.doi.org/10.1007/s13748-013-0040-3},
  publisher={Springer Berlin Heidelberg},
  keywords={Event labeling; Event detection; Ensemble learning; Background
knowledge},
  author={Fanaee-T, Hadi and Gama, Joao},
  pages={1-15}
}
```

# Contact

For further information about this dataset please contact Hadi Fanaee-T  
([hadi.fanaee@fe.up.pt](mailto:hadi.fanaee@fe.up.pt))