



Completed • Knowledge • 3,252 teams

## Bike Sharing Demand

Wed 28 May 2014 – Fri 29 May 2015 (47 days ago)

### Dashboard

Home

Data

Make a submission

Information

Description

Evaluation

Rules

Forum

Scripts

Leaderboard

My Team

GitHub

My Submissions

### Leaderboard

1. Team Oliver
2. Alliance
3. A\_Power
4. Vecihi
5. Pourquoiipas
6. 3+me
7. Starboy
8. Bolaka Mukherjee
9. Logical Guess
10. Louis Martin

### 389 Scripts

w207\_finalproj  
0 Votes / 2 days ago / Pythontrain  
0 Votes / 2 days ago / RMy first script  
0 Votes / 10 days ago / RMy first script  
0 Votes / yesterday / RRandomForest Benchmark  
0 Votes / 14 days ago / Rrkjkdjkj  
0 Votes / 19 days ago / PythonCompetition Details » [Get the Data](#) » [Make a submission](#)

## Forecast use of a city bikeshare system

[Get started on this competition through Kaggle Scripts](#)

Bike sharing systems are a means of renting bicycles where the process of obtaining membership, rental, and bike return is automated via a network of kiosk locations throughout a city. Using these systems, people are able to rent a bike from a one location and return it to a different place on an as-needed basis. Currently, there are over 500 bike-sharing programs around the world.

The data generated by these systems makes them attractive for researchers because the duration of travel, departure location, arrival location, and time elapsed is explicitly recorded. Bike sharing systems therefore function as a sensor network, which can be used for studying mobility in a city. In this competition, participants are asked to combine historical usage patterns with weather data in order to forecast bike rental demand in the Capital Bikeshare program in Washington, D.C.



## Acknowledgements

Kaggle is hosting this competition for the machine learning community to use for fun and practice. This dataset was provided by Hadi Fanaee Tork using data from [Capital Bikeshare](#). We also thank the UCI machine learning repository for [hosting the dataset](#). If you use the problem in publication, please cite:

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.

**Started:** 9:59 pm, Wednesday 28 May 2014 UTC

**Ended:** 11:59 pm, Friday 29 May 2015 UTC (366 total days)

**Points:** this competition did not award [ranking points](#)

**Tiers:** this competition did not count towards [tiers](#)

Forum (119 topics)

- Data set missing  
43 days ago
- Linear Regression  
46 days ago
- Competition's over...Show me what you got!! Maybe?  
46 days ago
- Performance using data prior to prediction date  
47 days ago
- Final Leaderboard results calculation  
48 days ago
- Tutorial: 0.433 score with randomForest in R  
50 days ago

teams

players

entries