UNIVERSITY OF BIG DATA Beta

(/?lang=en)

[MLSS 2015 Predictive Modeling Challenge] Solar energy production prediction

This competition is a part of the MLSS 2015 Predictive Modeling Challenge (http://universityofbigdata.net/MLSS2015).

The aim of this competition is to predict an amount of energy produced by a solar electricity generating facility for every 3 h. You will be provided with weather information 30 min before the amount of energy production is measured.

Problem type	Regression
Evaluation metric	Mean absolute error
Competition status	Active
Started	2015/07/24 00:00 (Japan Standard Time)
Ends	2015/08/23 23:59 (Japan Standard Time)
Public/Private	Public
Invitation setting	Invitation only

Dataset

IMPORTANT NOTICE (2015/7/26): The dataset has been updated to fix incorrect correspondence between datetime and weather information.

Download: solar-0726.zip (/competition/5683708061286400/download)

Please check the boxes below to indicate that you agree to our dataset usage policy:

- [ ] You can use the competition datasets only during the competition period and are not allowed to use them for other purposes.
- [ ] You must not copy and/or distribute the competition dataset.
- [ ] You must erase the datasets from your storage after the end of the competition.

Filename	Description
`train.csv`	Training set: weather information and amount of energy produced (from 02-24-2015 to 04-30-2015, 528 samples)
`test.csv`	Testing set: weather information and amount of energy produced (from 05-01-2015 to 05-31-2015, 247 samples)
`sample-submission.csv`	Sample submission file

train.csv

- `datetime` : Date and time (yyyy-MM-dd HH:mm:ss)

- `target` : Amount of energy produced
- `u, v, temp(C), rh, prmsl` : Weather information recorded 30 min before the amount of energy production is measured

test.csv

- `datetime` : Date and time (yyyy-MM-dd HH:mm:ss)
- `u, v, temp(C), rh, prmsl` : Weather information recorded 30 min before the amount of energy production is measured

Weather Information

- `v` : Eastward component of wind
- `u` : Northward component of wind
- `temp(C)` : Temperature (degree Celsius)
- `rh` : Relative humidity
- `prmsl` : Pressure at mean sea level

Submission

- Predict the amount of energy produced for each datetime in `test.csv` .
- The *i*-th row of the submission file should be the estimate corresponding to the *i*-th row of `test.csv` .
- See `sample-submission.csv` for an example of a valid submission.

Submission

Select file

You have 3 (of 3 entries) left today.

You can upload a file of up to 20MB

Submit

Note (optional)

You can add a note to your submission. Notes are shown in the bottom of this page and only you can see your note.

Intermediate ranking

Intermediate rank	Nickname	Intermediate score
1	Matt	0.1618
2	eraser	0.1626
3	Aij	0.1689
4	ly9988	0.1698
5	kevinbm	0.1767
6	tkg	0.1860
7	GrG	0.1883

8	guity	0.1914
9	FujimotoKyotoU	0.2358
10	inguar	0.2449
11	Aki	0.2784
12	matteo	0.2835
13	srph25	0.3659
14	Yasser	0.4859
15	Lito	0.5003
16	neutroneism	0.5586
17	dimka	0.5825
18	University of Big Data	0.6376
18	Vernice	0.6376

This leaderboard is calculated on the latest submissions.
The intermediate scores are calculated using 50% of the test dataset, and the final scores are calculated using the other 50%.
Final ranks are determined according to the final scores.

Scores over time (Intermediate score)

Submission similarity

The figure indicates similarity among submitted predictions based on Multi Dimensional Scaling (MDS).
The size of each circle implies the goodness of the prediction. (When evaluation metrics is based on "errors", smaller scores have bigger circles.)
It takes a while to render a new submission.

Your submission timeline

You have not made any submission yet.

Contact us: universityofbigdata [at] gmail [dot] com|Our team (/members?lang=en)