Intro

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Submission

Evaluation

Leaderboard

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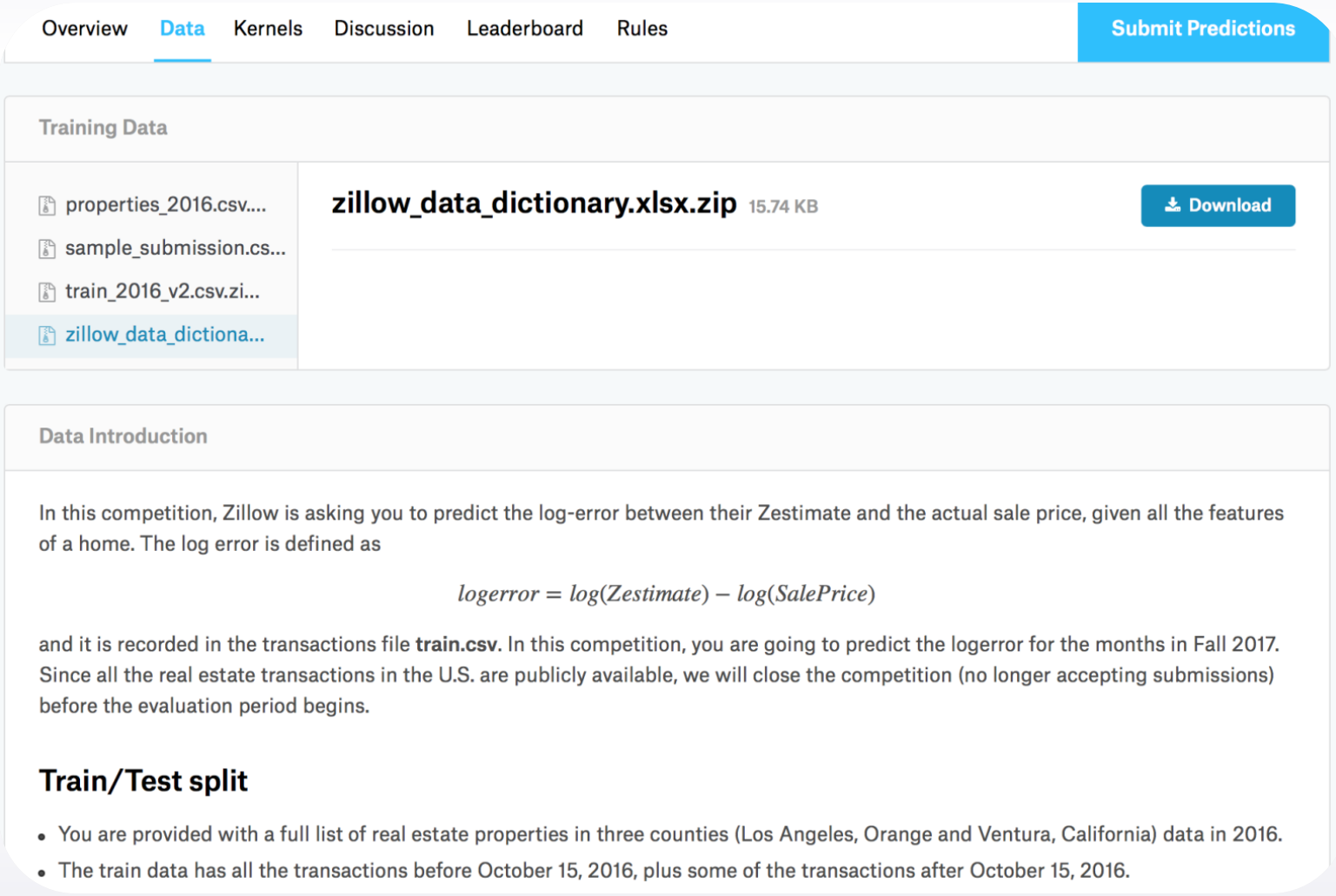
Example: data



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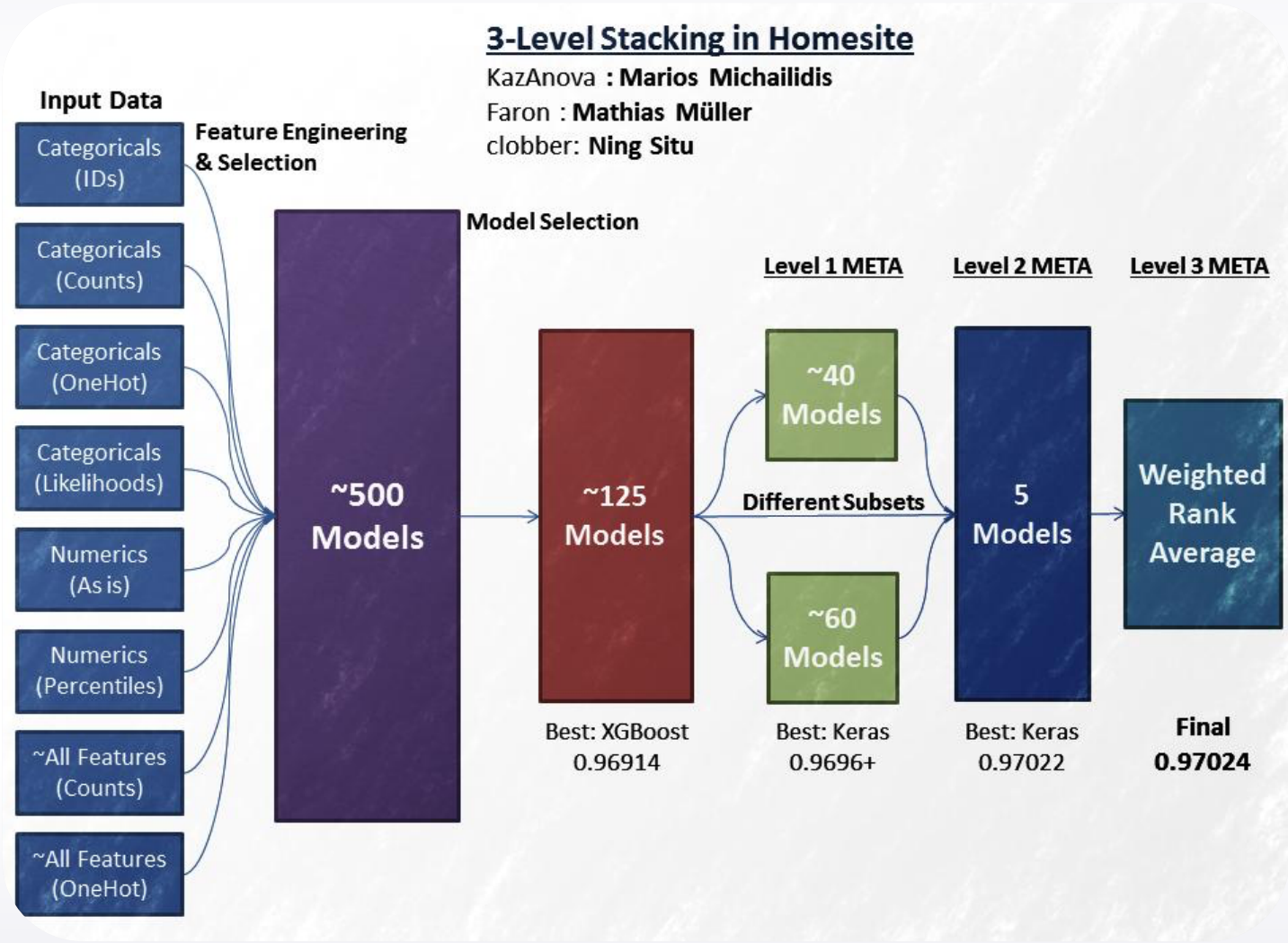
Model Example



http://blog.kaggle.com/2016/04/08/homesite-quote-conversion-winners-write-up-1st-place-kazanova-faron-clobber

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Submission

Usually you are asked to submit only predictions.

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Sample submission usually looks like:

```
ParcelId,201610,201611,201612,201710,201711,201712
10754147,0.1234,1.2234,-1.3012,1.4012,0.8642-3.1412
10759547,0,0,0,0,0,0
etc.
```

Screenshot kaggle.com

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Evaluation function

You need to know how good is your model.

The quality of the model is defined by evaluation function:

(predictions, right answers) -> score

Evaluation function

Examples:

- Accuracy
- Logistic loss
- AUC
- RMSE
- MAE

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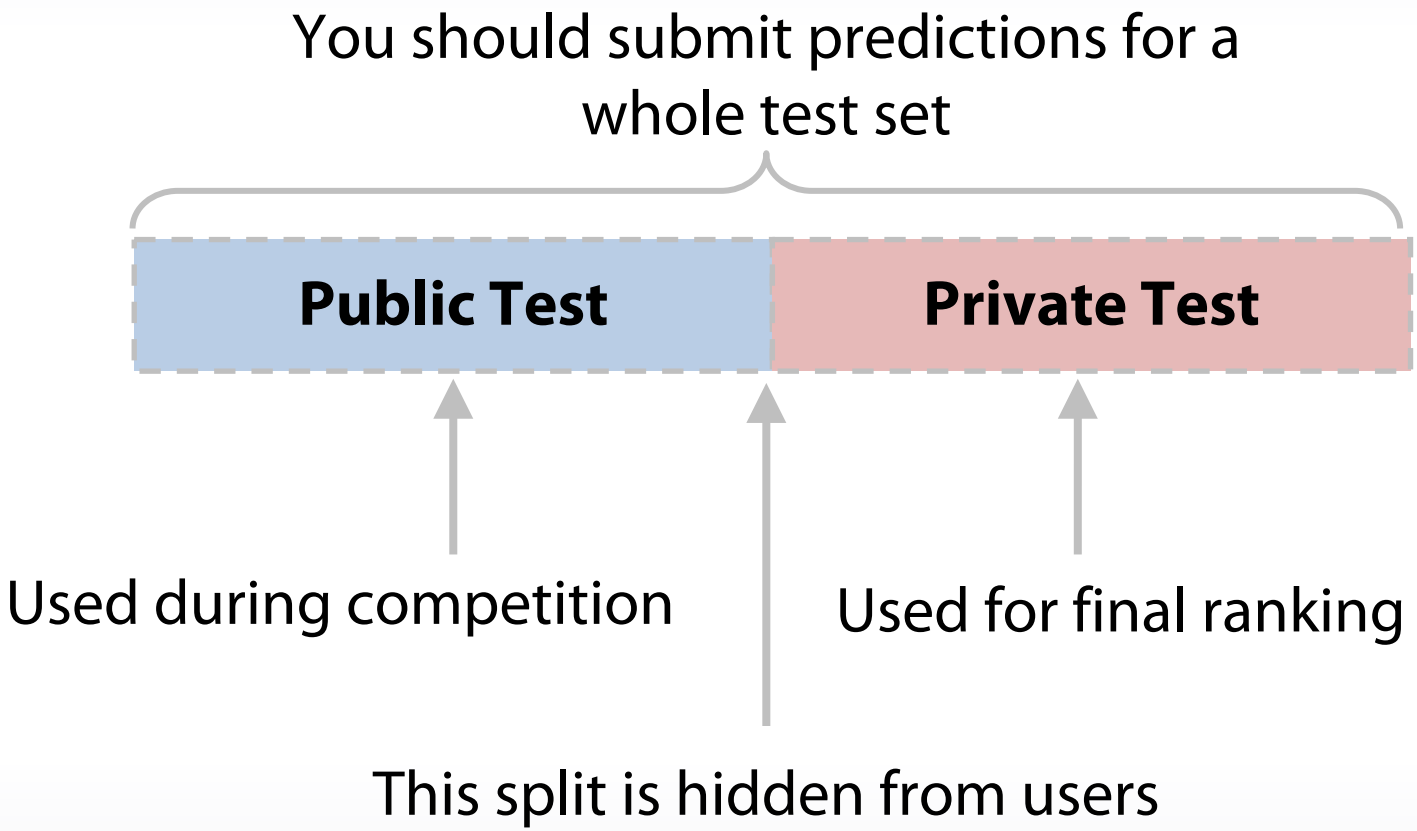
Leaderboard

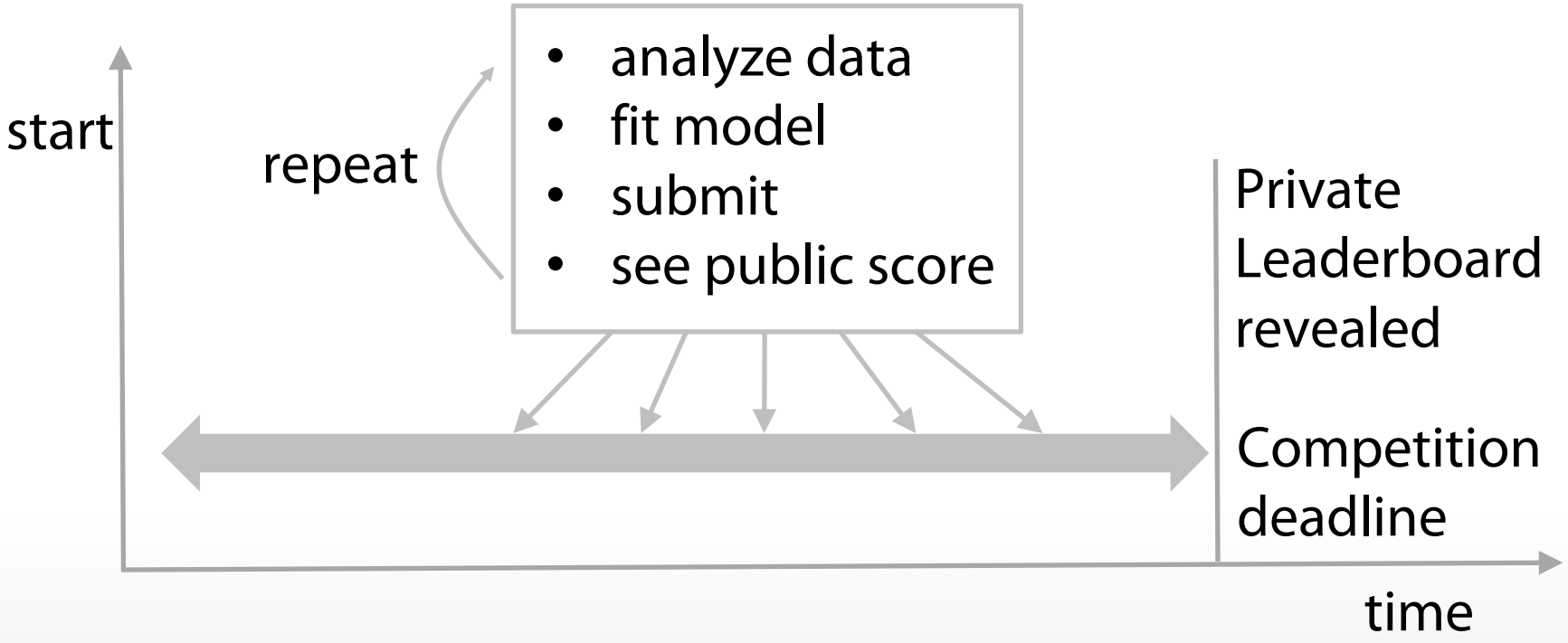
#	△pub	Team Name	Score	Entries	Last
1	▲ 2	Chenglong Chen	0.72189	160	2y
2	▲ 4	Mikhail & Stanislav & Dmitry	0.71871	83	2y
3	▼ 2	Quartet	0.71861	279	2y
4	▲ 1	Shize & Shail & Phil	0.71802	252	2y
5	▲ 8	I love Phở Bò	0.71700	48	2y
6	▼ 2	Gzs_iceberg	0.71681	122	2y
7	▲ 1	YDM	0.71374	283	2y
8	▲ 10	A & A & G	0.71297	229	2y
9	▲ 7	ë	0.71265	96	2y
10	▲ 4	Alexander D'yakonov (PZAD, ...	0.71262	93	2y
11	▼ 9	SearchSearchSearch	0.71022	58	2y
12	▲ 8	woshialex	0.70889	52	2y
13	▲ 43	Alexander Ryzhkov (PZAD, Ru...	0.70777	64	2y
14	▼ 7	Jianmin Sun	0.70711	145	2y
15	▼ 6	I survived Glastonbury (just)	0.70705	119	2y

Public/Private Tests



Example of competition mechanics

Only public leaderboard is available at this stage



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Platforms:

- Kaggle
- DrivenData
- CrowdAnalityx
- CodaLab
- DataScienceChallenge.net
- Datascience.net
- Single-competition sites (like KDD, VizDooM)

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- Great opportunity for learning and networking
- Interesting non-trivial tasks and state-of-the-art approaches
- A way to get famous inside data science community
- A way to earn some money

Conclusion

- Main concepts:
  - Data
  - Model
  - Submission
  - Evaluation
  - Leaderboard
- Competition platforms
- Reasons for participating