airbnb

kaggle challenge

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AirBnB

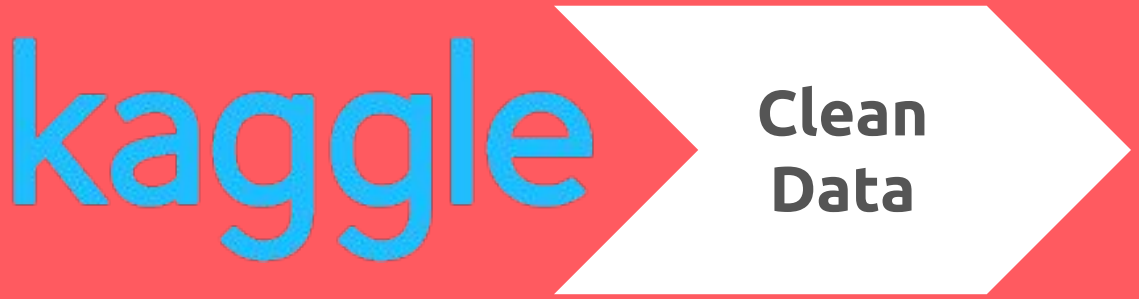
- Provides a platform for connecting hosts and travelers
- A cheaper “bed and breakfast” experience
- Book a place to stay in 34,000+ cities across 190+ countries

Where will a new guest book their first travel experience?

Goals

- Decrease the average time to first booking
- Better forecast demand
- Share more personalized content

kaggle


kaggle
Clean
Data

kaggle
Clean Data
Model and Predict

Input

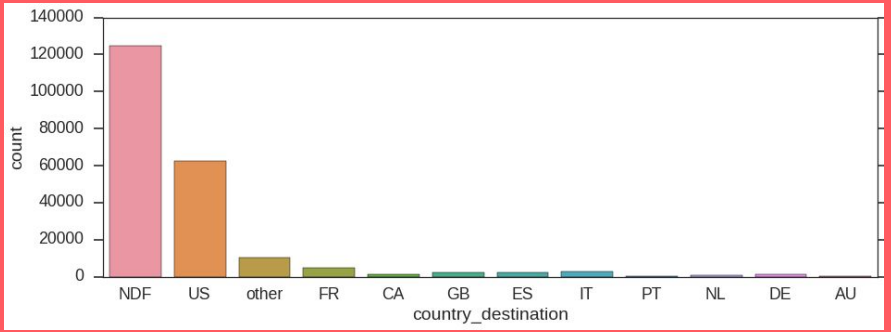
Attributes:

- User activity (web and)
- User info (gender, language)

'first advertisement tracked',
'advertisement', 'browser'
'page before signup',
'gender',
'signup method',
'language',
'ad source',
'signup app',
'device type',

Output

- Predict the country of destination



xgboost

- Xtreme Gradient Boosting
- Ensemble of trees
- Faster than gradient boosting machines

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Accurate

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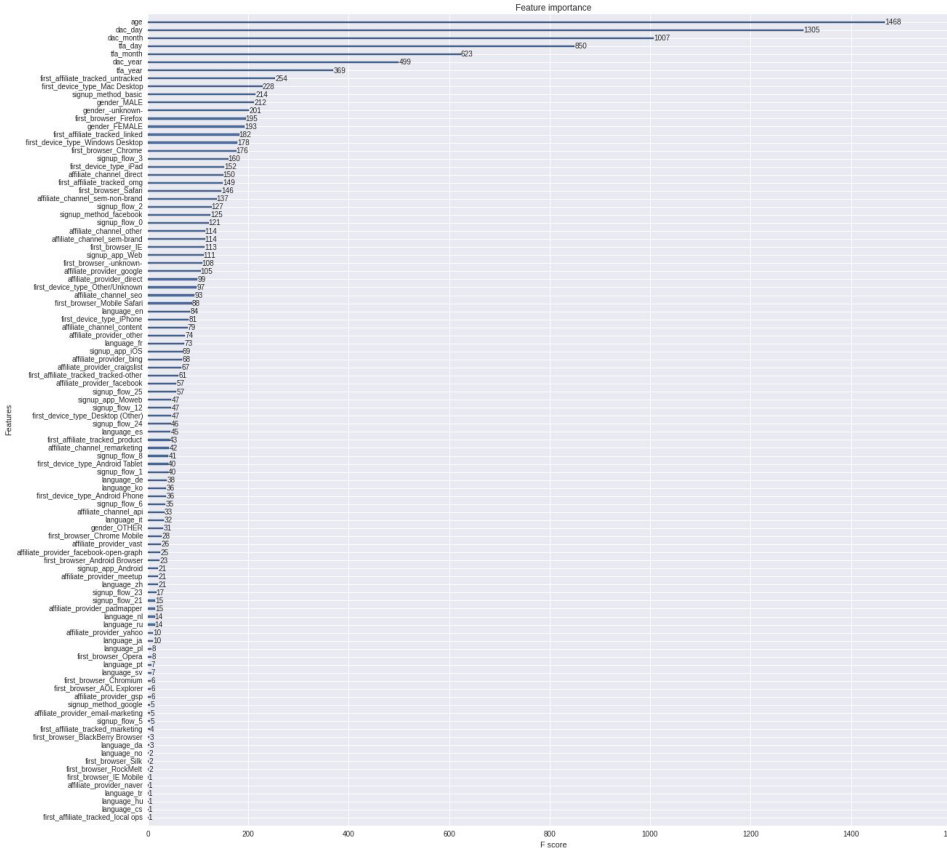

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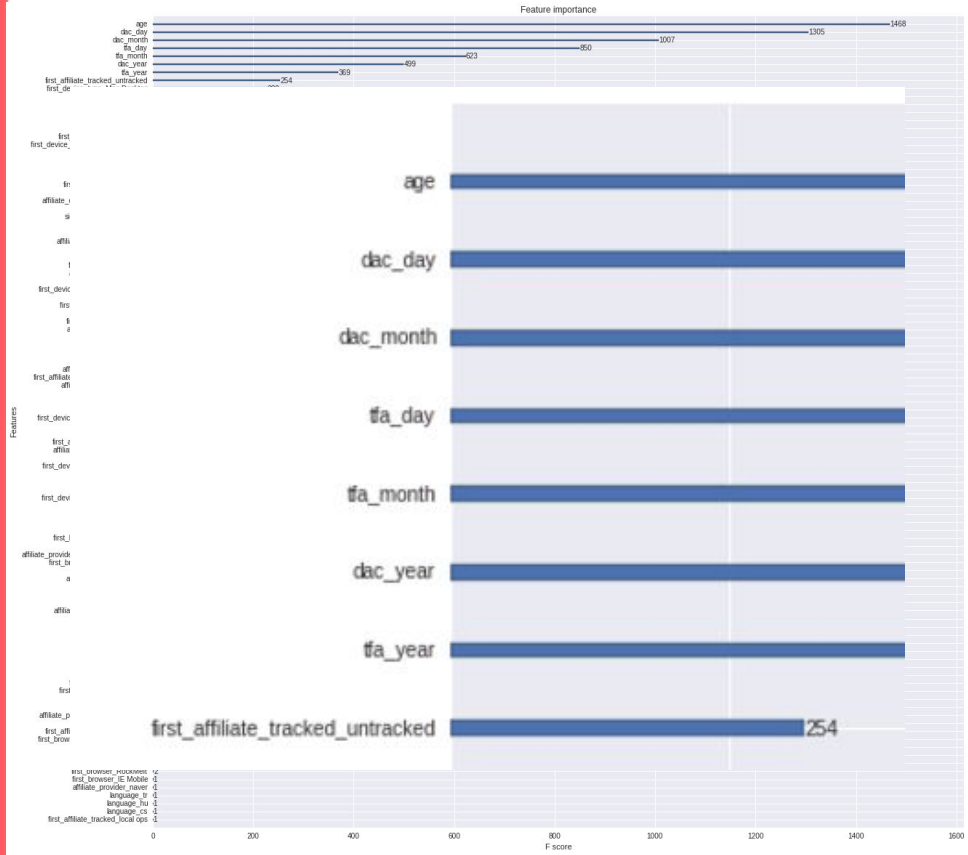

Interesting Insights

- 2345 users over 100 years old

- More females than males use Airbnb

github/mykoz

zhang.michael89

mzhang8

mykoz

Thank You