



Book Rooms with Locals
Rather than Hotels

Where Is Your First Destination

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Objective

- Motivation: more and more people book airbnb instead of hotels because of the airbnb's advantages (Live like a local; flexibility; more space with less money; etc)
- The objective of our project is to predict where a new Airbnb user will book their first travel experience



Data

Classification:

country_destination: this is the target variable to predict (12 target countries)



Geometrics:

- id: user id
- gender: female, male or unknown
- age: age of user

Account Basic Info:

- date_account_created: the date of account creation
- timestamp_first_active: timestamp of the first activity
- date_first_booking: date of first booking
- signup_method: from facebook or basic
- signup_flow: the page a user came to sign up from
- language: international language preference
- affiliate_channel: what kind of paid marketing
- affiliate_provider: where the marketing is e.g. google, craigslist, other
- first_affiliate_tracked: what's the first marketing the user interacted with before the signing up
- signup_app: what kind of system, Web, IOS, or other
- first_device_type: what kind of device: Mac, Windows, or other
- first_browser: Chrome, Safari or other

Country Info:

- lat_destination: latitude
- lng_destination: longitude
- distance_km: distance from US
- destination_km2: area of the country
- destination_language: language used
- language_levenshtein_distance: levenshtein distance between the language spoken in the country and US

Account Session:

- action: search result, lookup, show or other
- action_type: click, data, view
- device_type: device used in the session
- secs_elapsed: time of the session (in second)