Problem:

  Most people who want to give their home for airbnb wonder some questions. How can I get more customers, is the location important, how should I price, how can I increase my rate? Also, customers have similar questions like hosts to decide homes in airbnb. I want to make some predictions about price, review, location etc.

Who is your client, and why do they care about this problem?

  The project outcomes are used not only by individuals but also by companies. Data that can be analyzed and used for security, business decisions, understanding of customers' and providers' (hosts) behavior and performance on the platform, guiding marketing initiatives, implementation of innovative additional services and much more.

Data:

  https://www.kaggle.com/dgomonov/new-york-city-airbnb-open-data
This dataset has around 48,895 observations in it with 16 columns. Each row represents each host. It is a mix between categorical and numeric values.

How to solve:

  The dataset should be cleaned firstly because its very big data and it may include some nan values. I will use many visualizations since there are 16 columns. It gives me a chance to get more visualizations. I will make predictions price, review, location by using machine learning.

Deliverables:
- Code on GitHub
- Report
- Presentation Slides