Project Proposal

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Project Name: Airbook

Project Overview

Why Airbook?

As airbnb does not provide users the whole overview of the places in the list, users need to search a lot information before making the decision which is inefficient and unreliable. Airbook designed to present an overview of the neighborhoods in NYC to help travelers efficiently make a wise choice of stay place through organizing,computing and visualizing the comprehensive data represented as map.

What is Airbook?

This project aims to build a website for users to get a roughly view of the neighbourhood environment and Airbnb market in NYC.Travelers can take price, safety and convenience into consideration in order to make a wise choice. Hosts can make better pricing strategies according to the market conditions e.g. availability.

Project Detail

This project is going to be implemented as a web service deployed on Amazon Web Service(AWS) with elasticsearch, elastic beanstalk and other services. Getting scraped data from Airbnb and crime data provider websites, classify, analyze and visualize the data. The backend is proposed to follow Django framework. The frontend will be involved with some fashionable JavaScript tech stack such as AngularJS, React.