

# CS210 - Project Proposal

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## Problem Statement and Background:

Airbnb has come a long way as an online real estate listing agency since its foundation, reaching thousands of hosts while establishing a trusted connection between the host and the customer. This has led to a massive collection of data containing the hosts and the hosted place. This project aims to find the popularity of a listing location and try to figure out why it is that popular while utilizing a small section of this data which contains the hosts and listings in New York City. In other words this project attempts to answer the following question: What are the factors that affect the popularity of a listing location in NYC? Solution to this question will involve analyzing various datasets which are crucial in the process while providing correlations with the help of visualization and statistical techniques.

## Additional Datasets To Be Utilized:

- Transportation data in NYC
- Historical weather data in NYC
- Bike rental data in NYC
- Permitted Event Information in NYC (Historical)