* **Executive Summary** ­

Airbnb currently host over 7 million listings and is active in more than 100,000 cities across 220 countries and regions. While Airbnb has grown as a market force over the last decades, homeowners and landlords are also benefiting from turning their properties into short-term rentals. Our project examines the impact of Airbnb listings in some zip codes on property prices increases and rental rates. Housing cost, whether in the form of rent or mortgage payment and maintenance cost make up the largest monthly expense for most household.

* **Title of Project**

Concerns about the effect of Airbnb on the housing market

* **Goal of project**

Only a few years ago, most travelers stayed in hotels. Airbnb changed that recently. In 2017, Airbnb users booked over 100 million nights. Our aim is to review data to find out if the increase of Airbnb listings leads to increase in rents and house prices. We will perform statistical analysis using our data set concentrating on hypothesis testing, test of mean, variances, and correlation.

* **Hypothesis being tested.**

1. Does the Airbnb have an impact on housing?
2. Does the number of Airbnb listings affect housing prices?
3. Does the average housing price correlate with reviews per month?
4. City comparisons (New York, San Francisco, and Chicago)
5. Is there a correlation between Airbnb rental price and the reviews per month?
6. Is there a correlation between the price of houses and the price of Airbnb?

* **Research Techniques**

We used a secondary resource, we collected information from Kaggle.

* **Final/ Summary**
* **Appendix**