**Steps deployed to create this data product**

Below are the steps deployed to create this data product

1. Import all the libraries required for the analysis and visualization

2. Get the city name from the console for which analysis needs to be performed.

3. Read both files, Zip\_Zhvi\_2bedroom.csv and listings.csv, in pandas' dataframe.

4. Remove the unwanted columns.

5. There were few rows without zipcodes, I had to filter out those rows.

6. Daily prices are present for all the rows but not weekly and monthly prices.

7. Get the list of zipcodes using the uszipcode library.

8. Filter the zipcodes valid for the city.

9. Get the median prices offered on Airbnb for all zipcodes and plot them as a bar chart. Using median prices here so as to nullify the outlier's impact.

10. Plot box plot of prices and zipcode offered on Airbnb.

11. Calculate mean of median costs of houses yearly, using mean here as outliers are already being taken care. Plot the trend of the mean of the median of costs.

12. Calculate return on investment for given years. Plot the same for all zipcodes. Plot the year on year return on investment trend for all zipcodes.

13. Predict return on investment for current month using polynomial regression.