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Course: IST 652 Scripting for Data Analysis

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Required Tools: Python, numpy, pandas, matplotlib.pyplot, nltk, nltk.corpus, geopandas, shapely.geometry, python.display, seaborn, wordcloud, and collections.

Short Description: for this project, we analyzed various Airbnb properties from a data set publicly available on Kaggle. We identified the neighborhoods with the highest rate of return for potential property managers to invest in and the neighborhoods with the lowest prices for future consumers looking to rent a property. We use multiple measures for this analysis and additional data sets, such as the New York City citywide crime statistics that we found relevant to neighborhood rental prices. This can be found in the New York City open data.