Airbnb Toronto Analysis

In this project, we are analyzing an Airbnb dataset to uncover key insights about listings, hosts, and neighborhoods. The dataset includes various details about Airbnb listings such as prices, availability, host information, room types, reviews, and geographical data. By examining these attributes, we aim to provide a comprehensive overview of the Airbnb market in the given area.

Objectives:

Neighborhood Analysis:

Price Distribution: Understand how prices vary across different neighborhoods and identify high-price areas.
Availability: Assess the availability of listings throughout the year to determine which neighborhoods have the most and least availability.
Geographical Distribution: Visualize the geographical spread of listings to see where the majority of Airbnb properties are located.

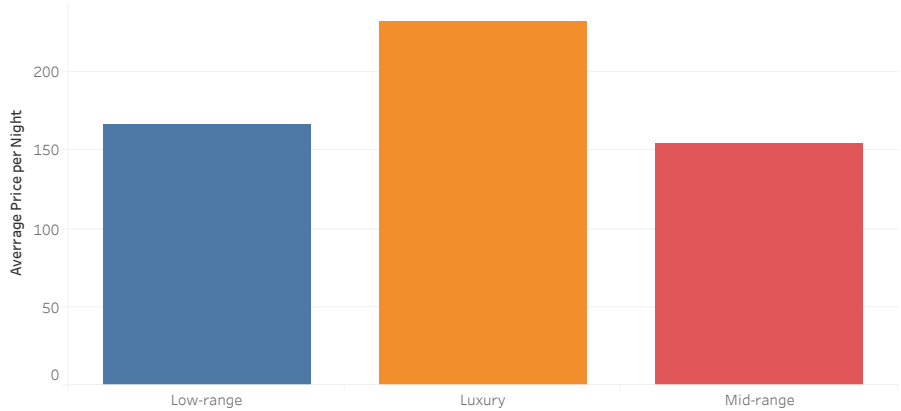
Host and Listing Performance:

Host Activity: Analyze the performance of different hosts by looking at the number of reviews they have received.
Reviews and Pricing: Explore the relationship between the price of a listing and the number of reviews it receives to understand how pricing impacts guest satisfaction and engagement.
Review Trends: Track how review activity changes over time to identify trends and patterns.

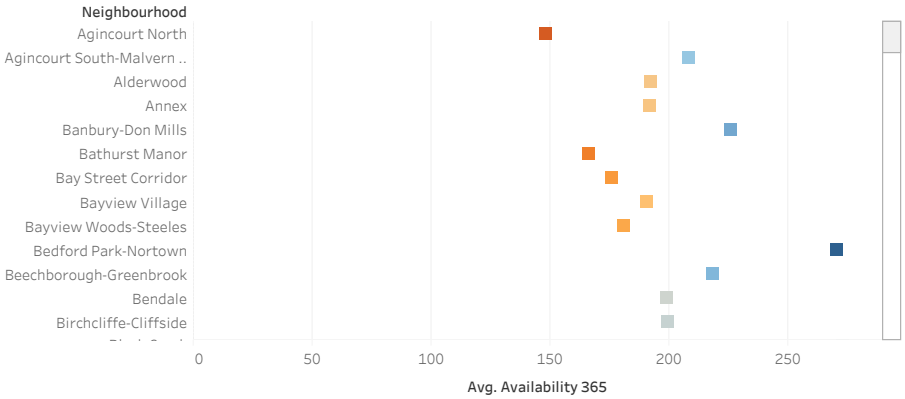
Room Type and Price Analysis:

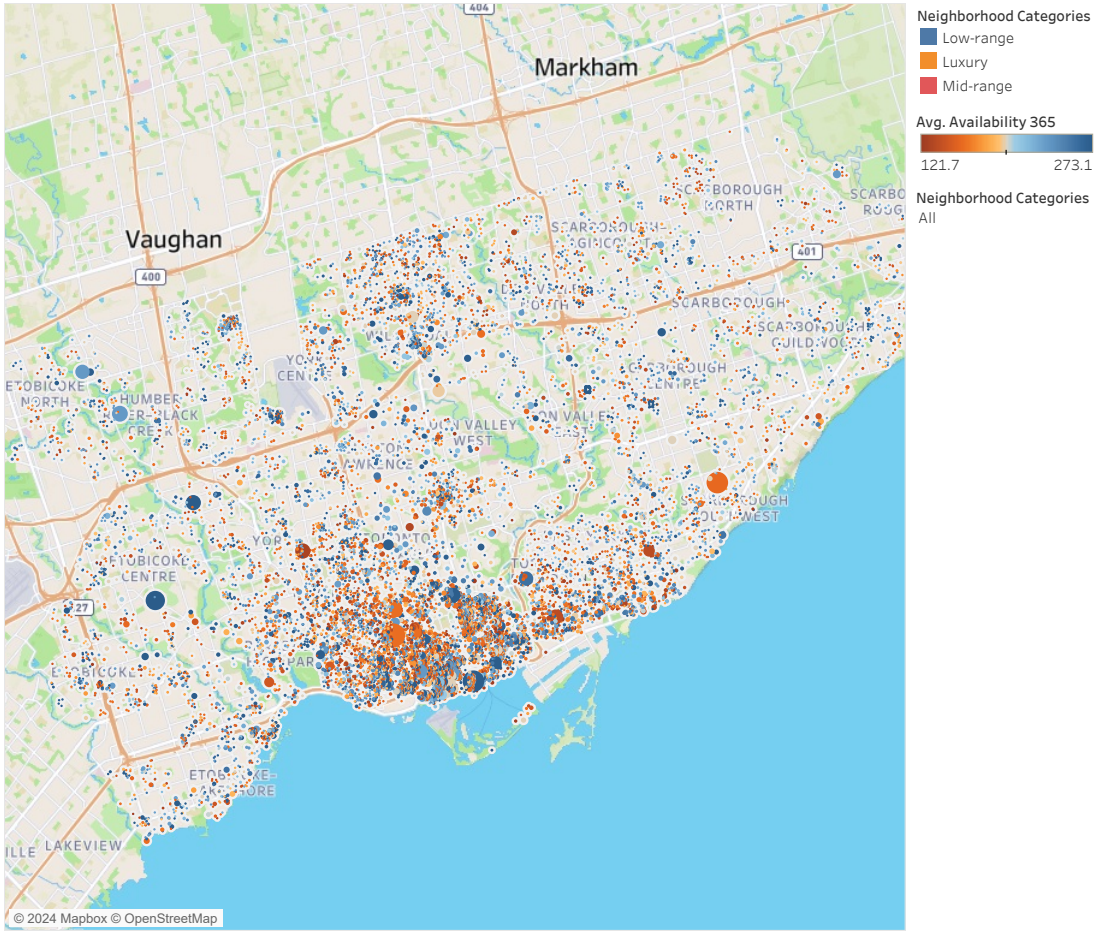
Room Type Distribution: Compare the prevalence of different room types (e.g., entire home/apartment, private room) and their pricing structures.
Price vs. Reviews: Investigate the correlation between listing prices and the number of reviews to determine if higher-priced listings receive more or fewer reviews.

Price Distribution by Neighborhood

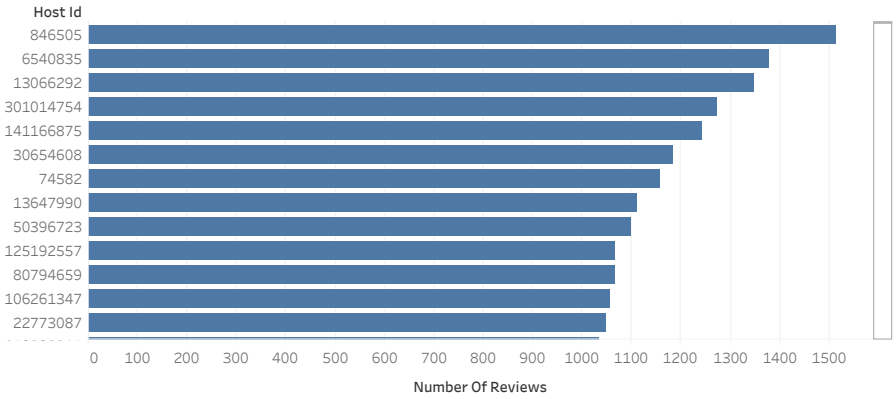


Availability of Listings by Neighborhood

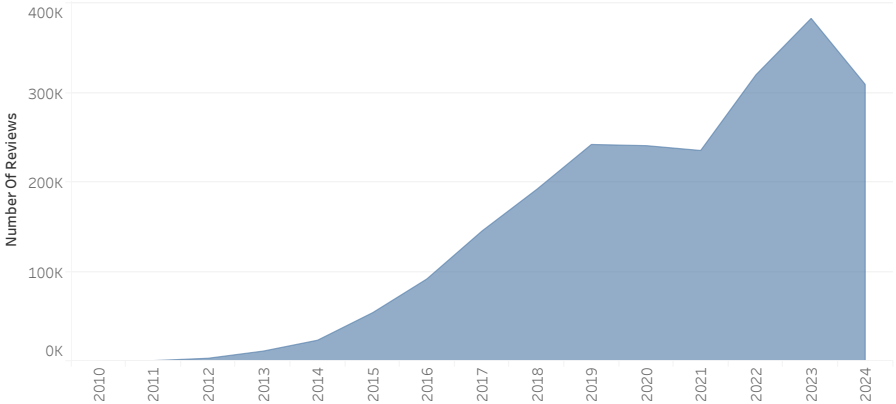




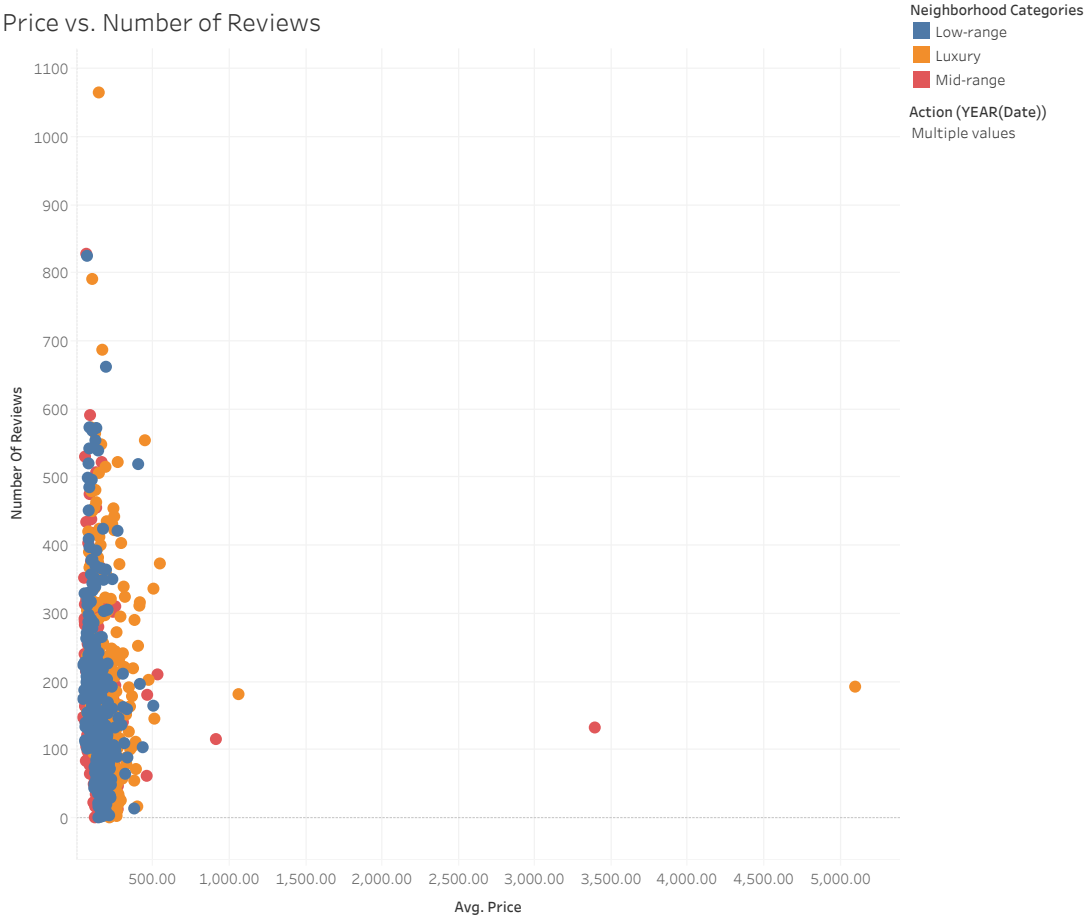
Host Activity



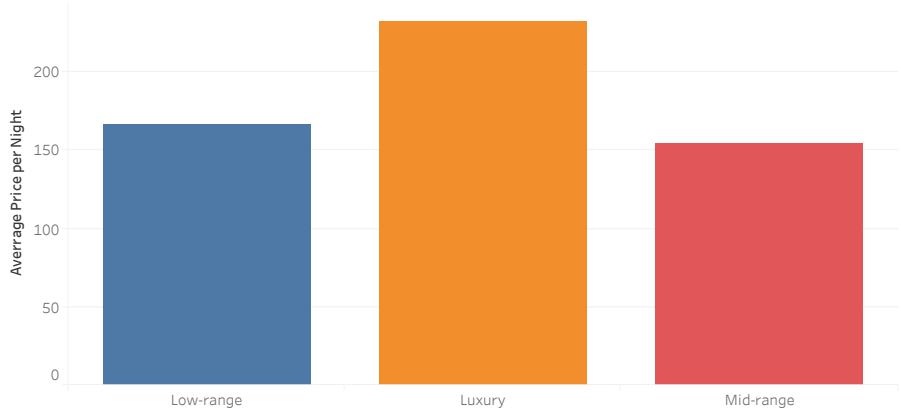
Review Frequency



Price vs. Number of Reviews



Price Distribution by Neighborhood



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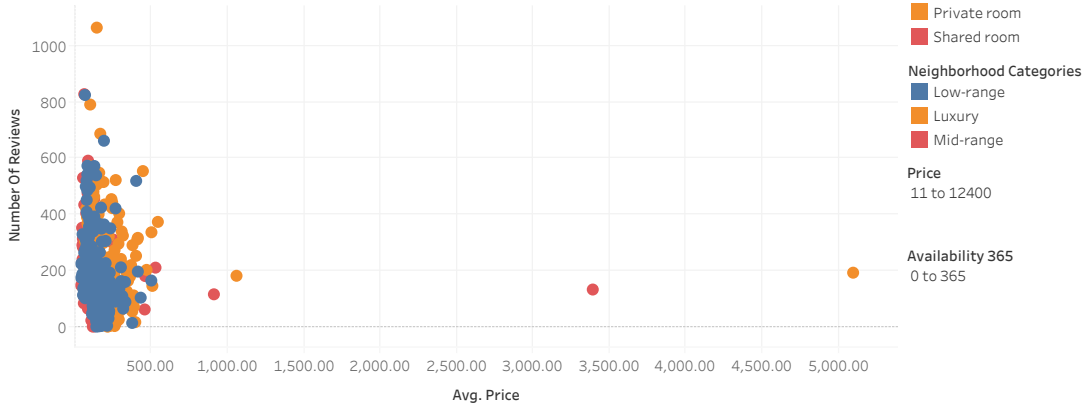
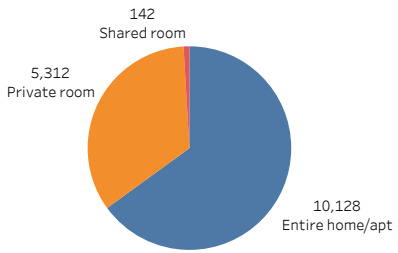
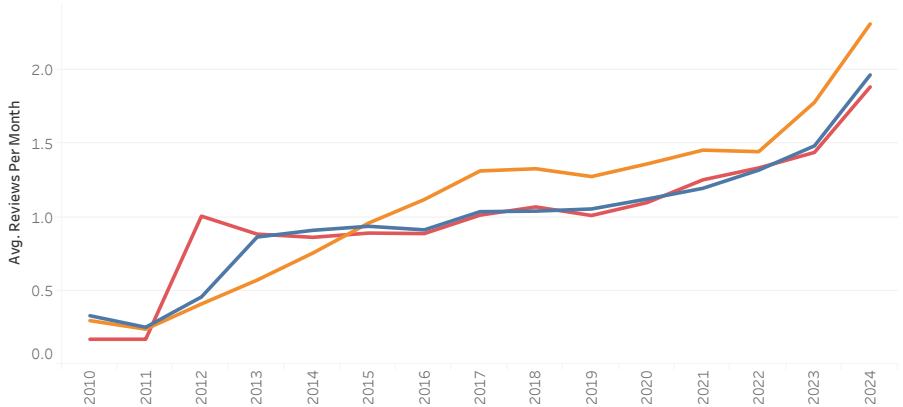


Room Type Distribution



Average Review Ratings Over Time