

Beyond Bedrooms: Visualizing Airbnb Listing Patterns

A lot of the graphs were added but are missing the annotations and descriptions. They are coming and more graphs will be added. The fun will continue.



It is Beyond Bedrooms:

Early Experiments and Visualizations in Airbnb Data

- “Starting with Curiosity : KPI First, Cleaning Follows in the slides”
- “Early Signals from Messy Data : More to Come”
- “Scaffolding the Story: Before the Deep Dive”
- “Power BI Playground and other visualizations”

KPI First; Cleaning ,Chaos and Fun Later
Welcome to My Workflow

Initial Pricing Performance Snapshot

Subject to Refinement



Initial Playing with Airbnb Data

After Cleaning & Flagging

Focus: Price drivers, layout clustering, and semantic column management

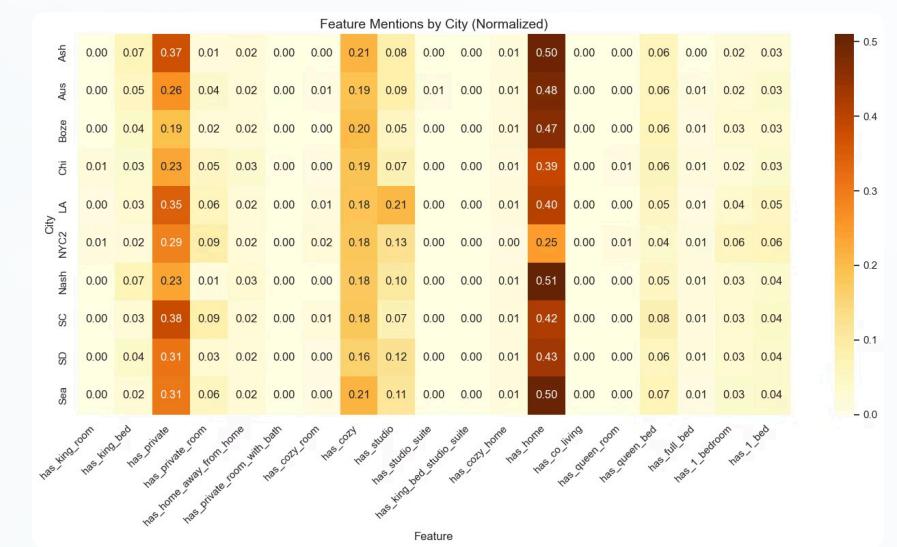
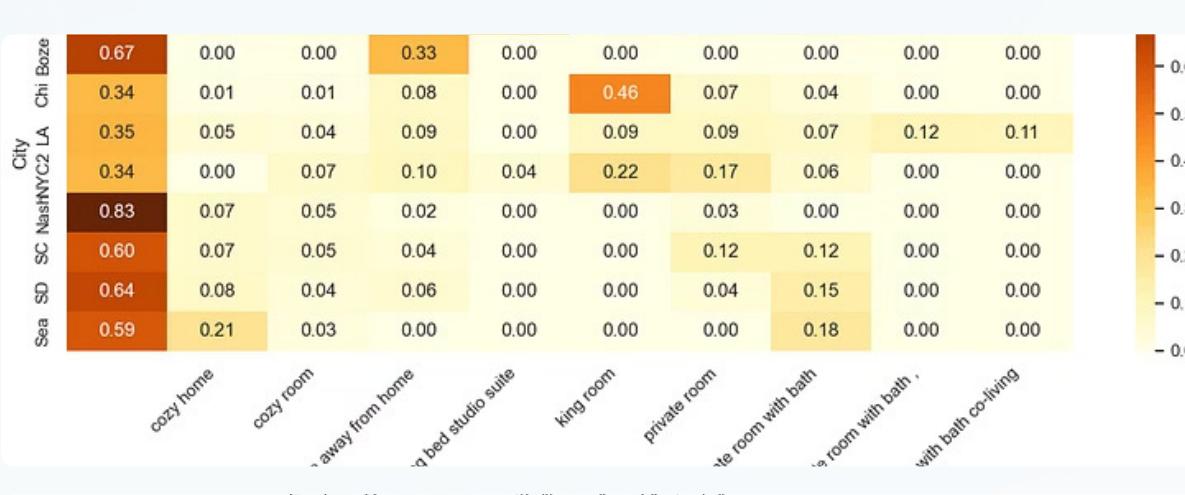
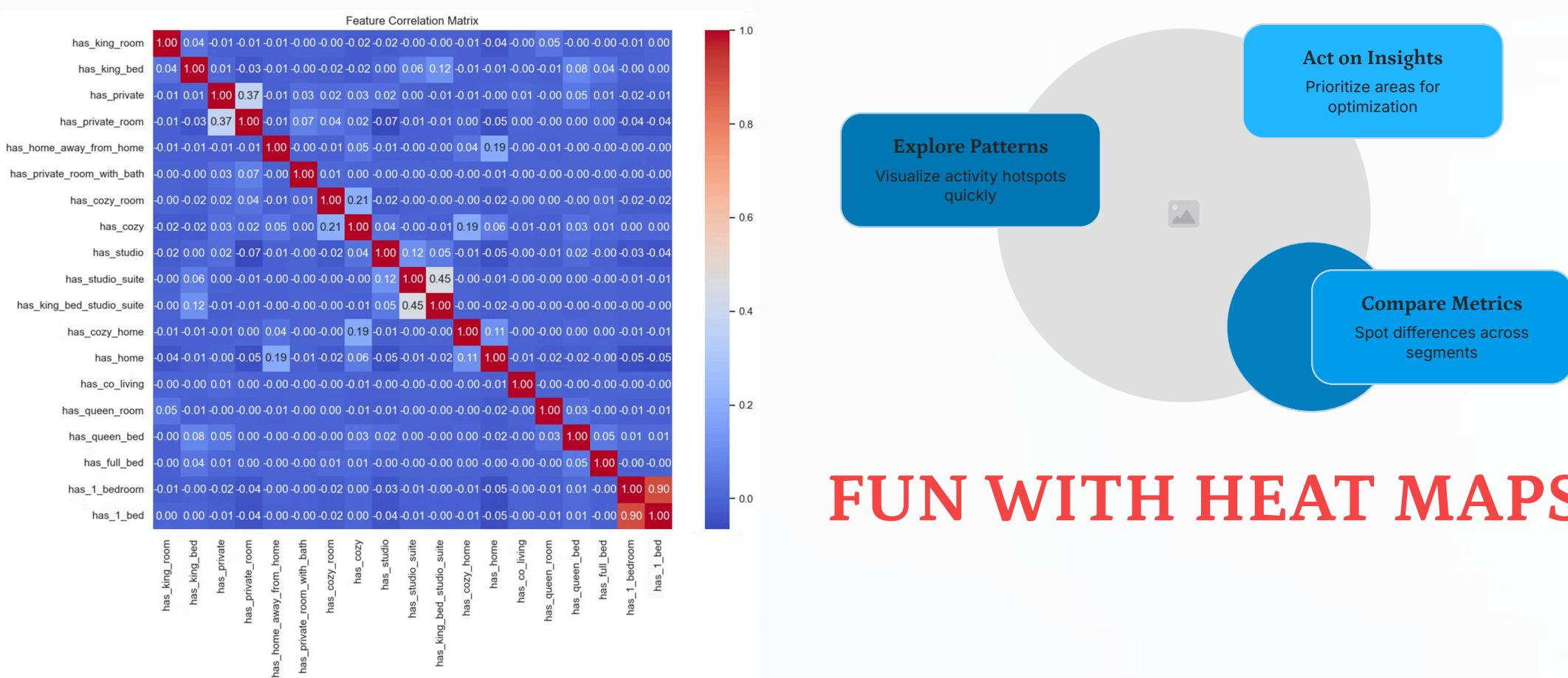
Preprocessing Summary

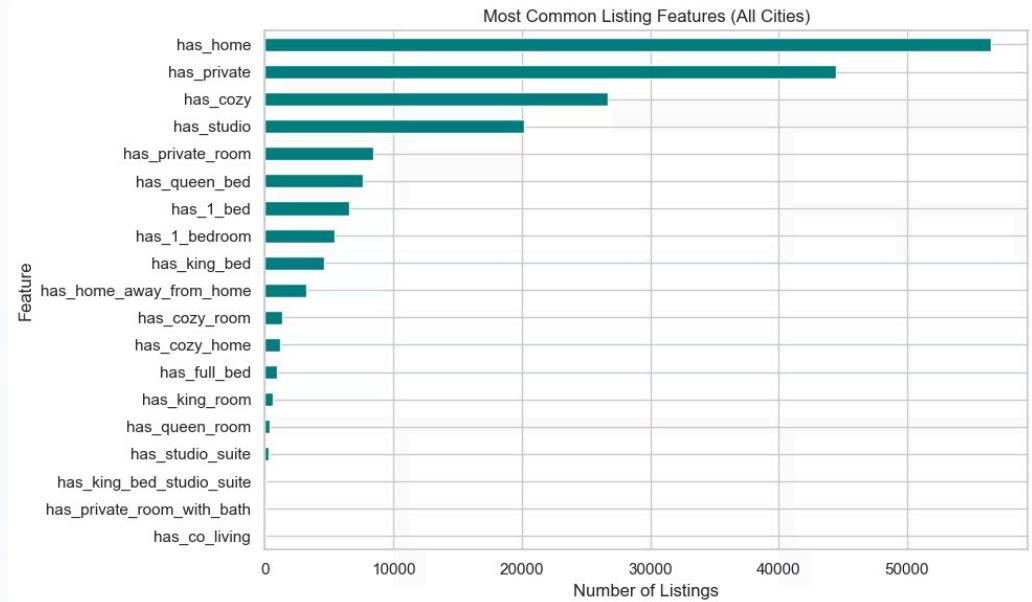
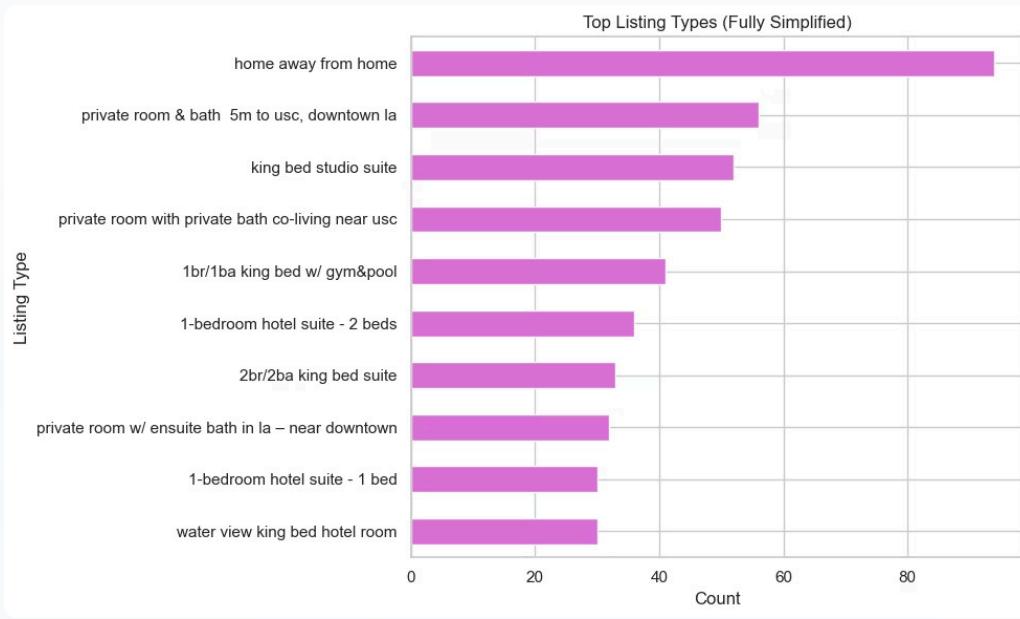
- **Flagged missing or ambiguous entries** in bedrooms, bathrooms, and price columns
- **Standardized column names** for layout features (num_beds, num_baths, room_type, accommodates)
- **Removed outliers** in nightly price and guest capacity to stabilize early visualization

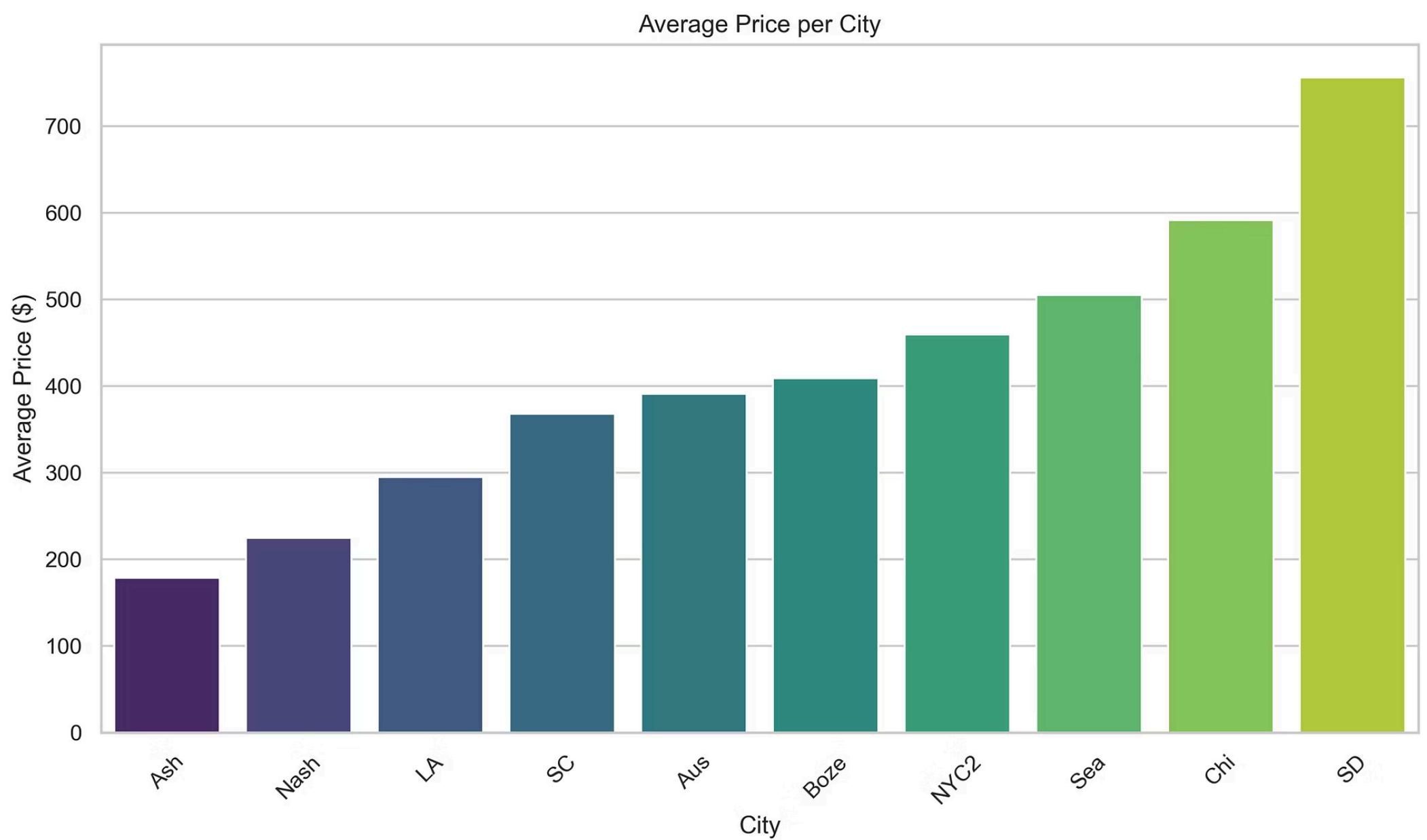
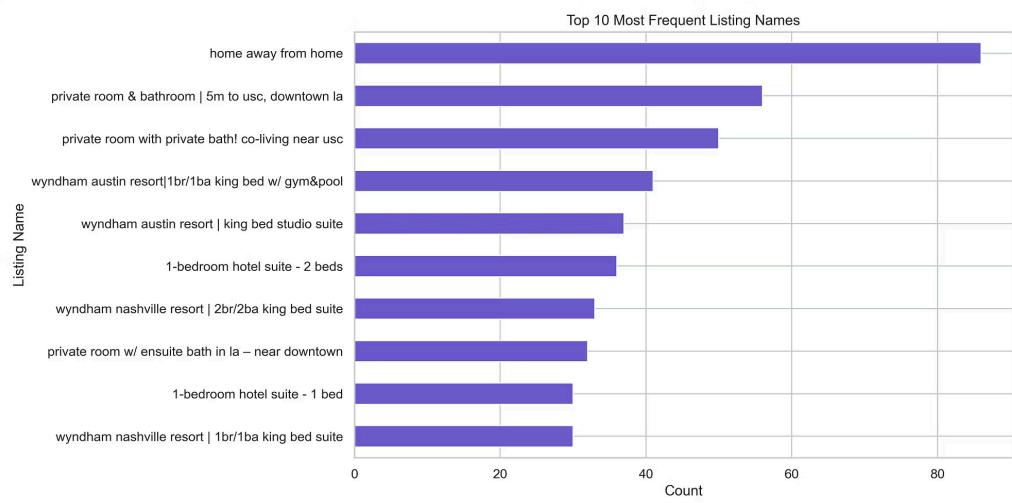
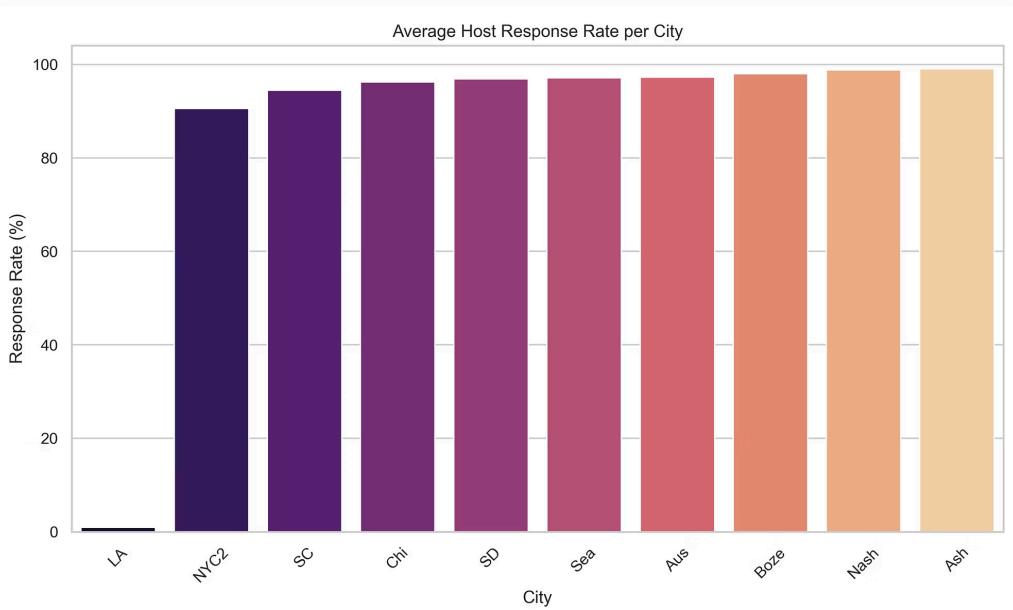




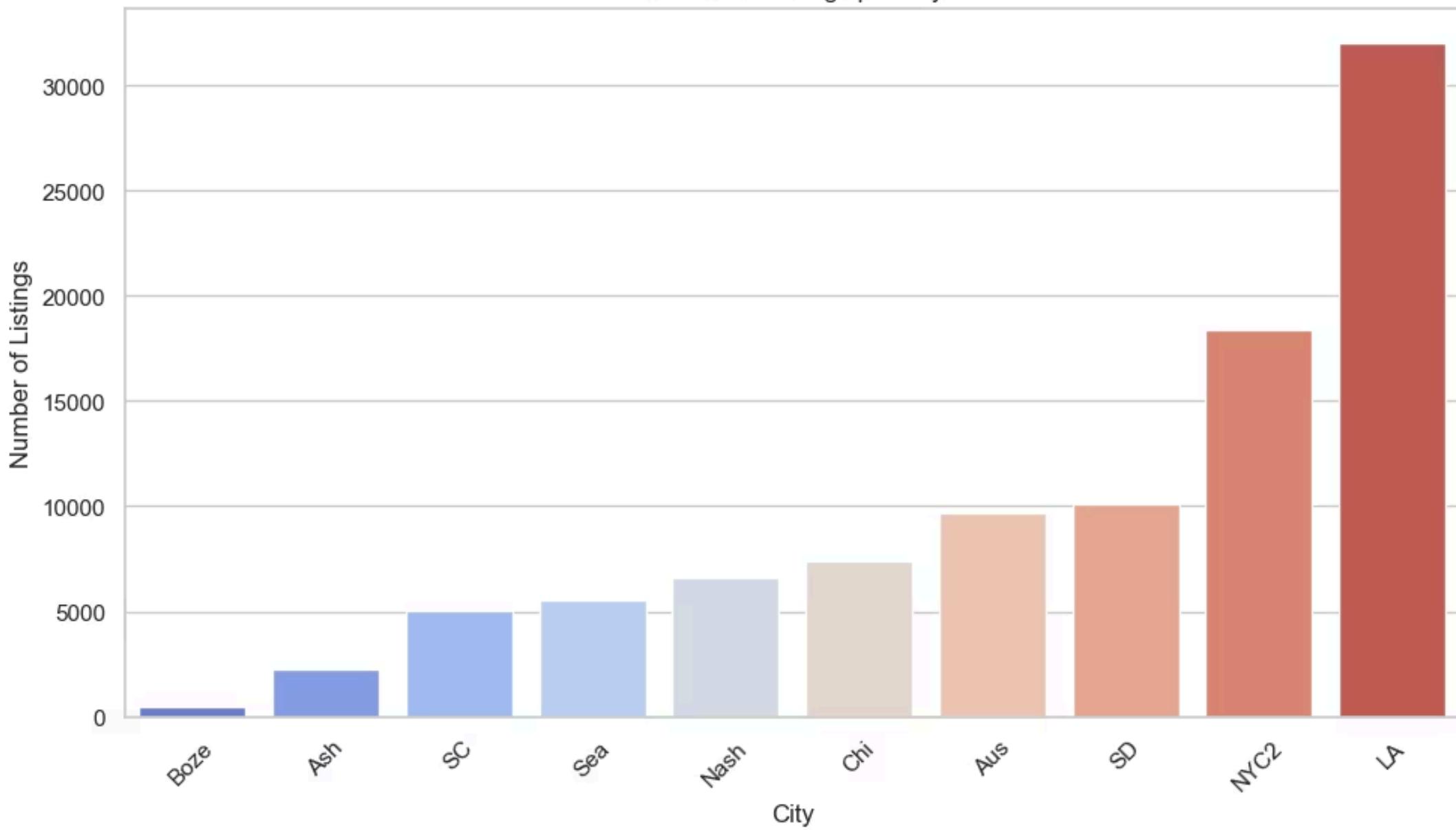
Initial Fun and look at what the data is saying.

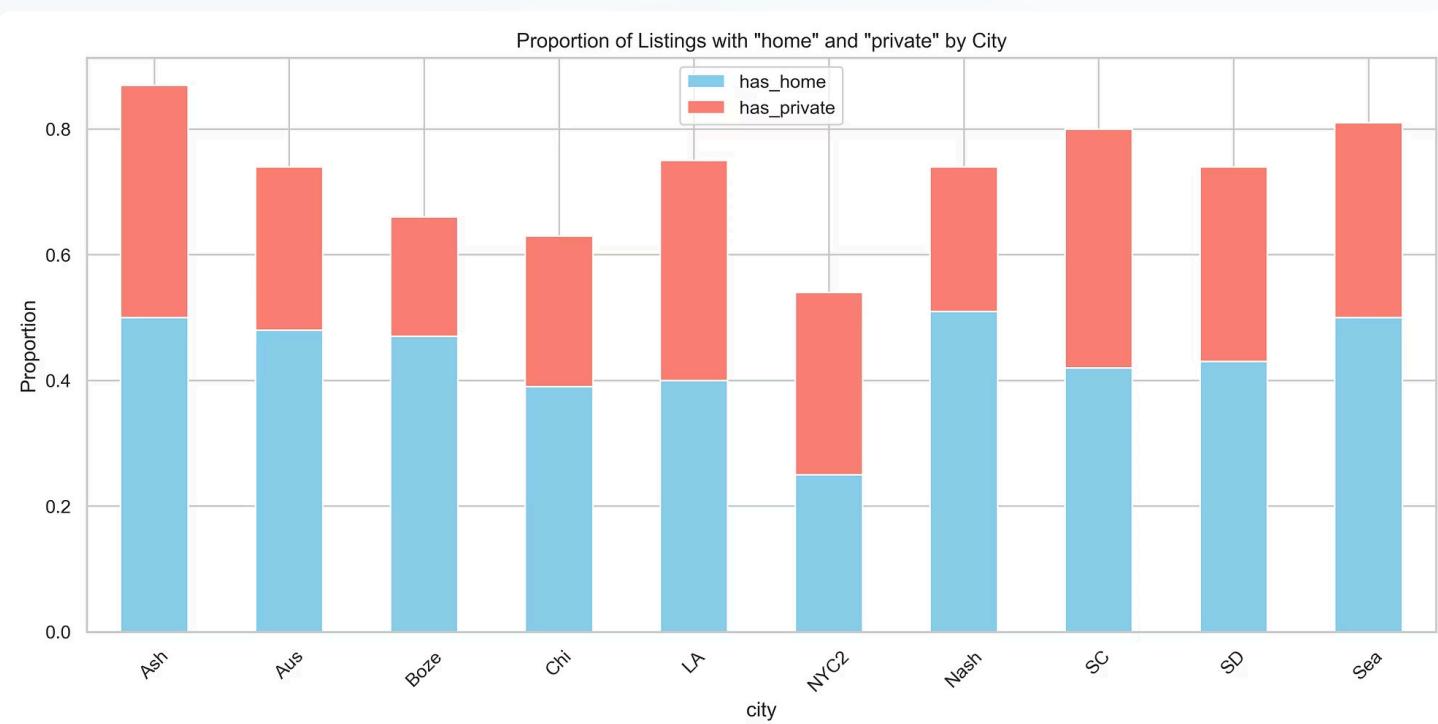
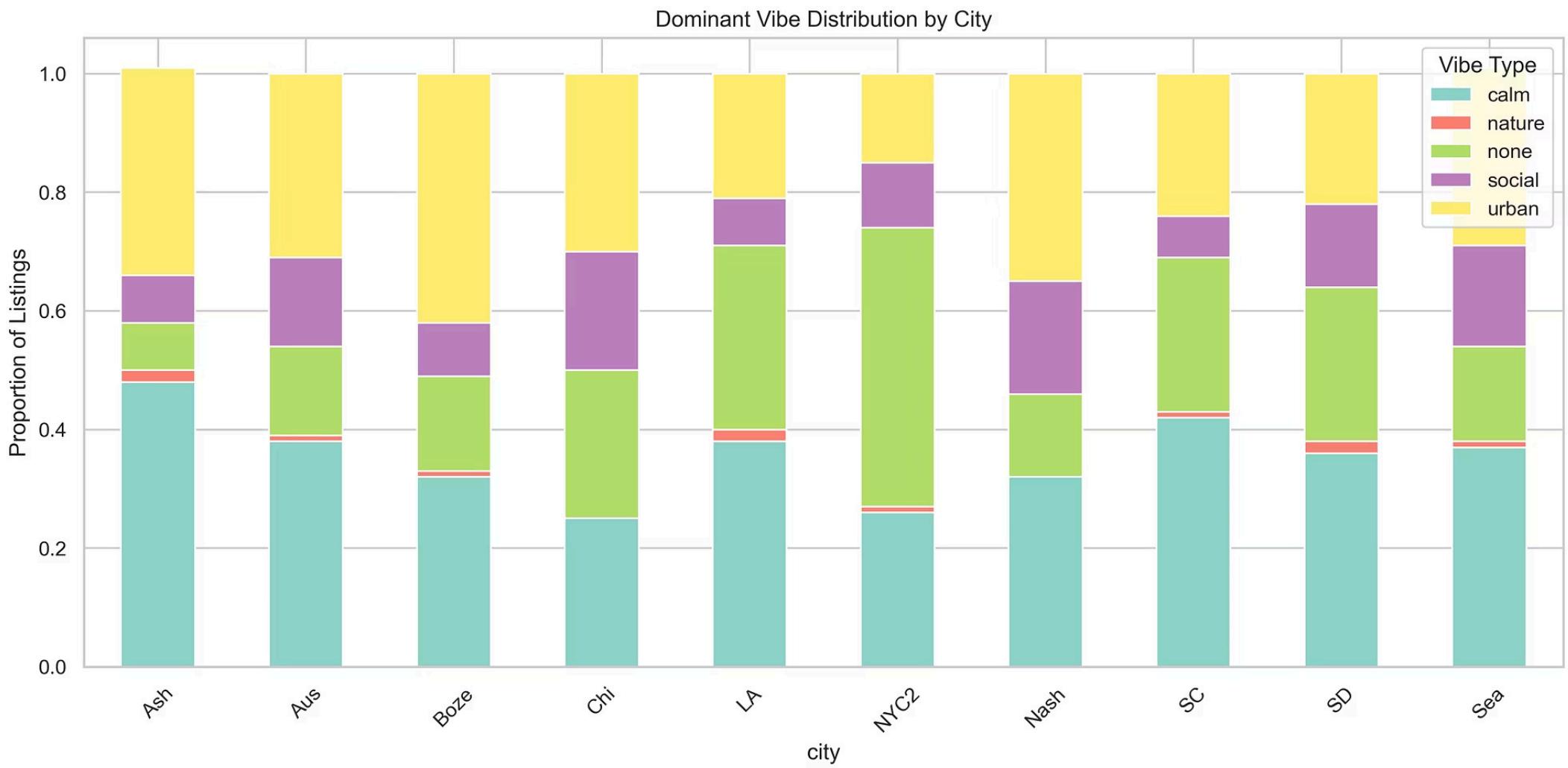


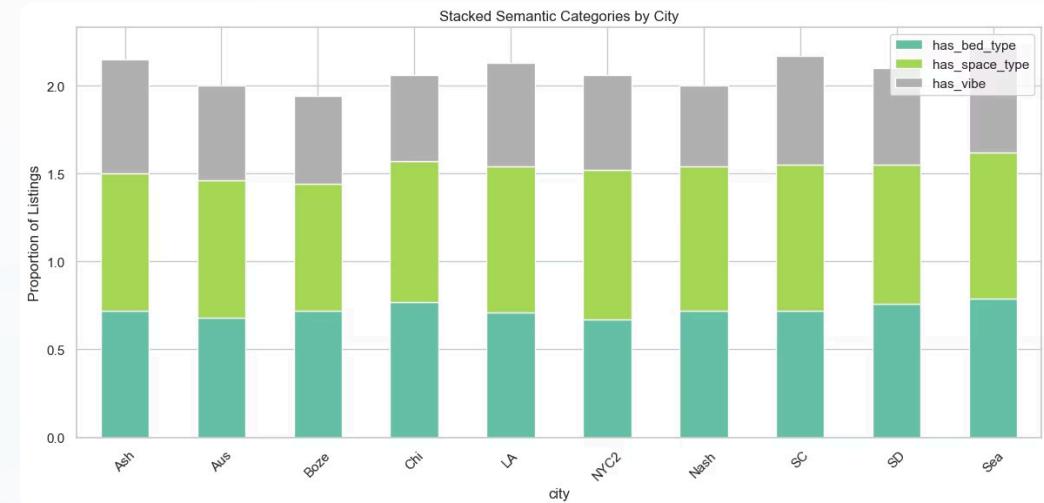
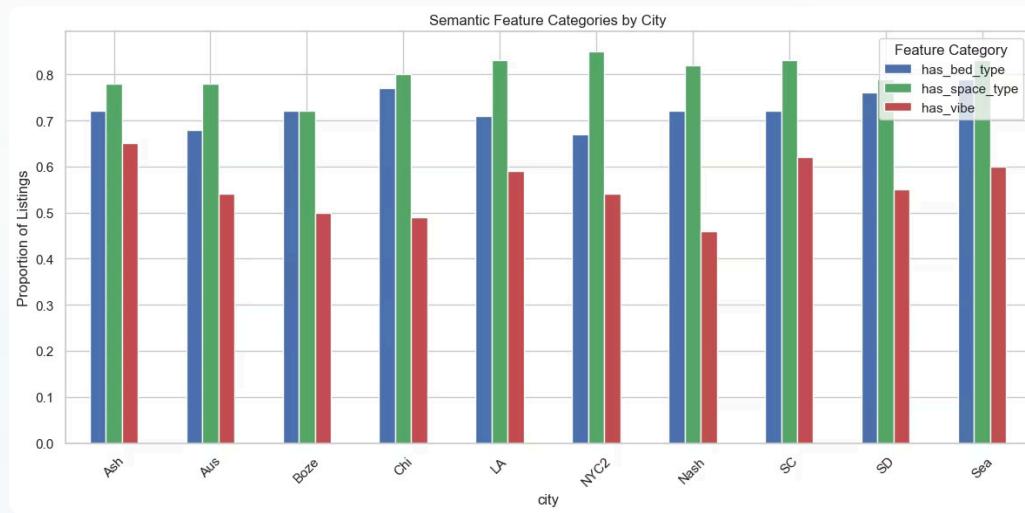


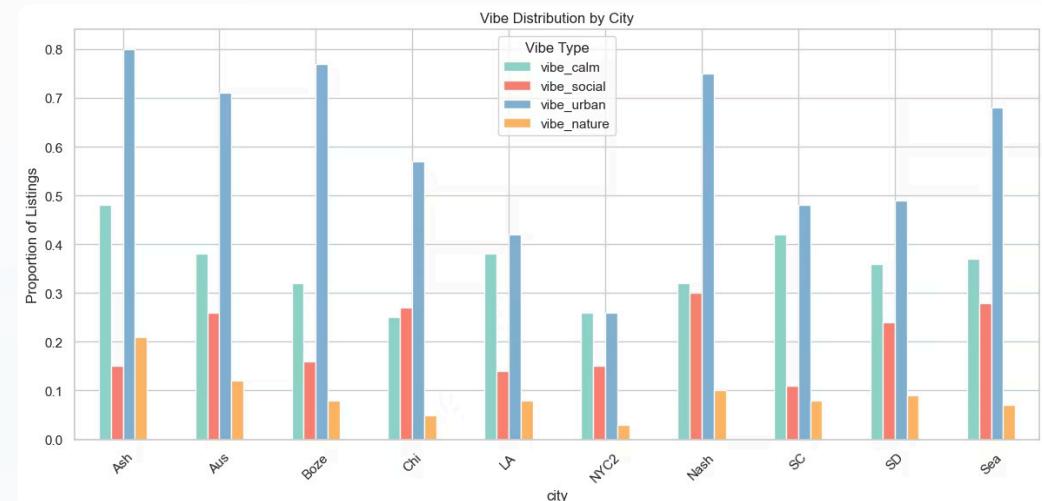
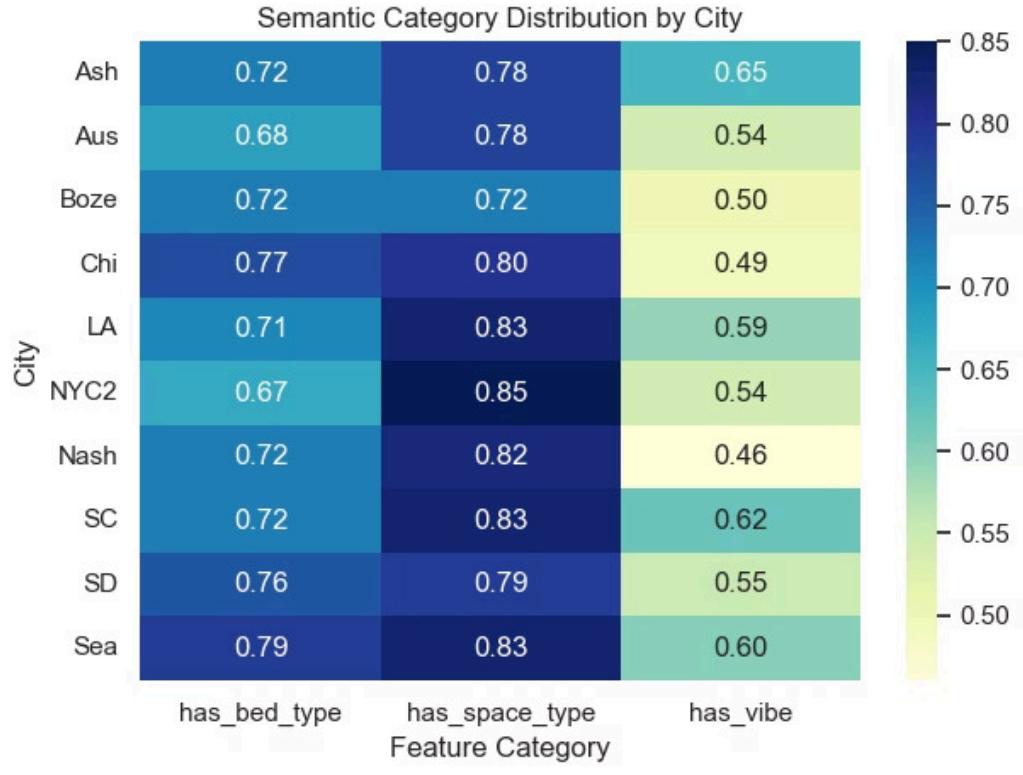


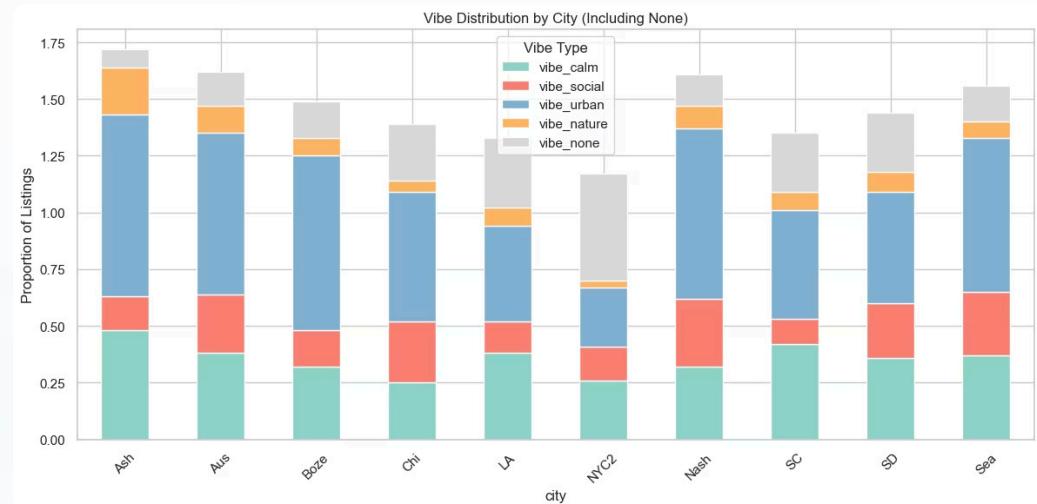
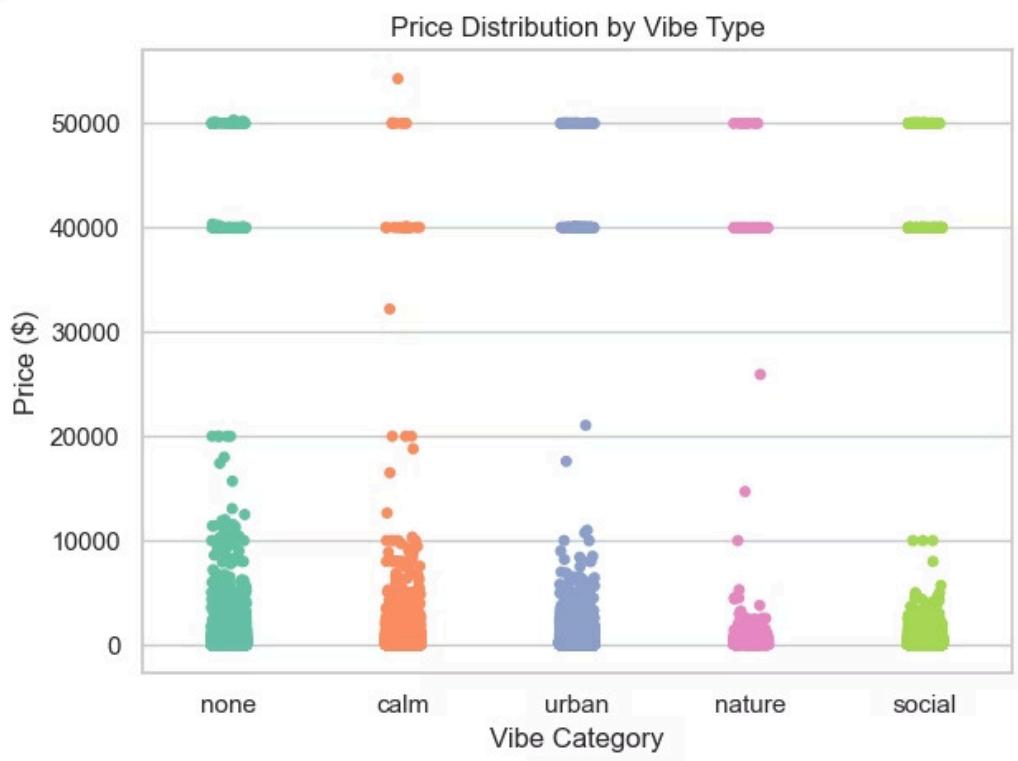
Number of Listings per City

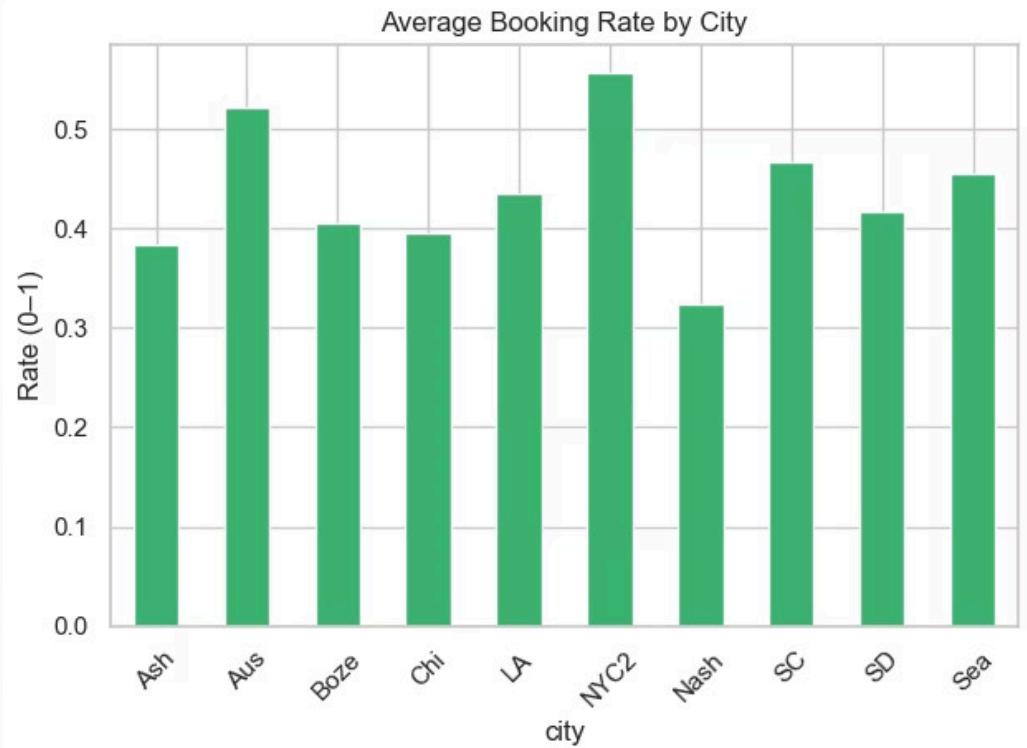
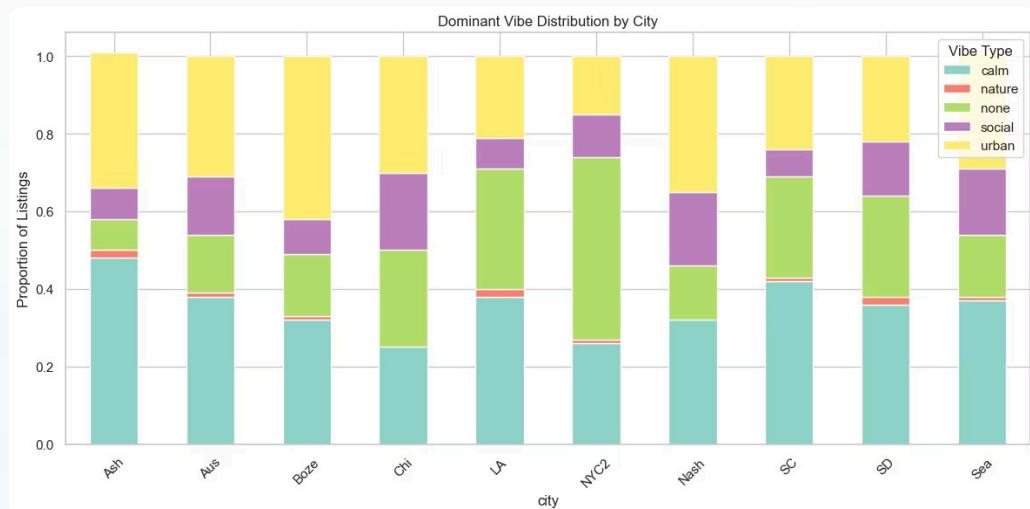


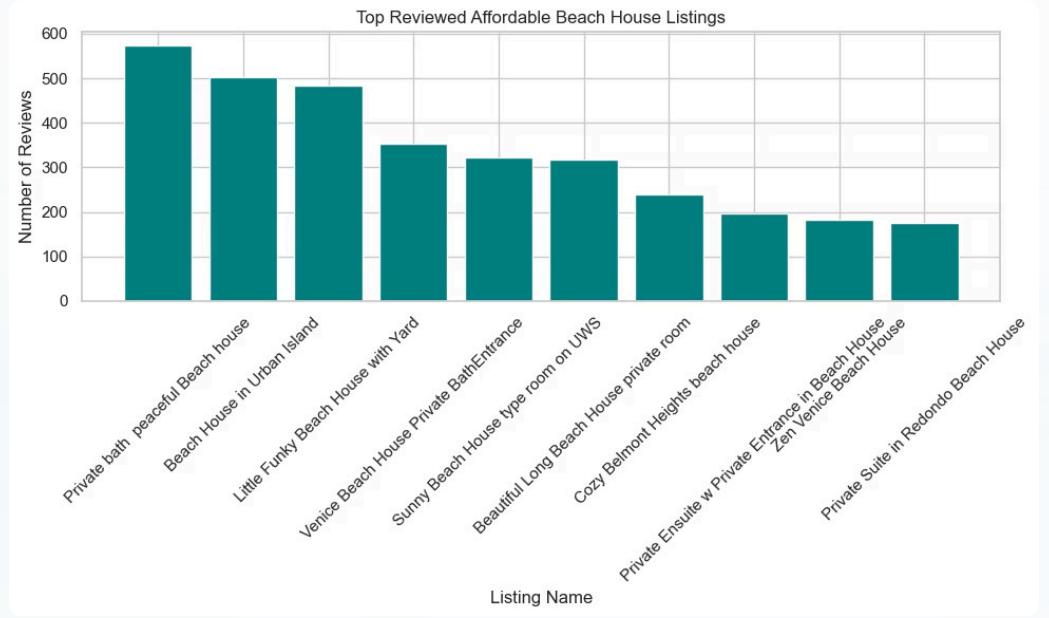




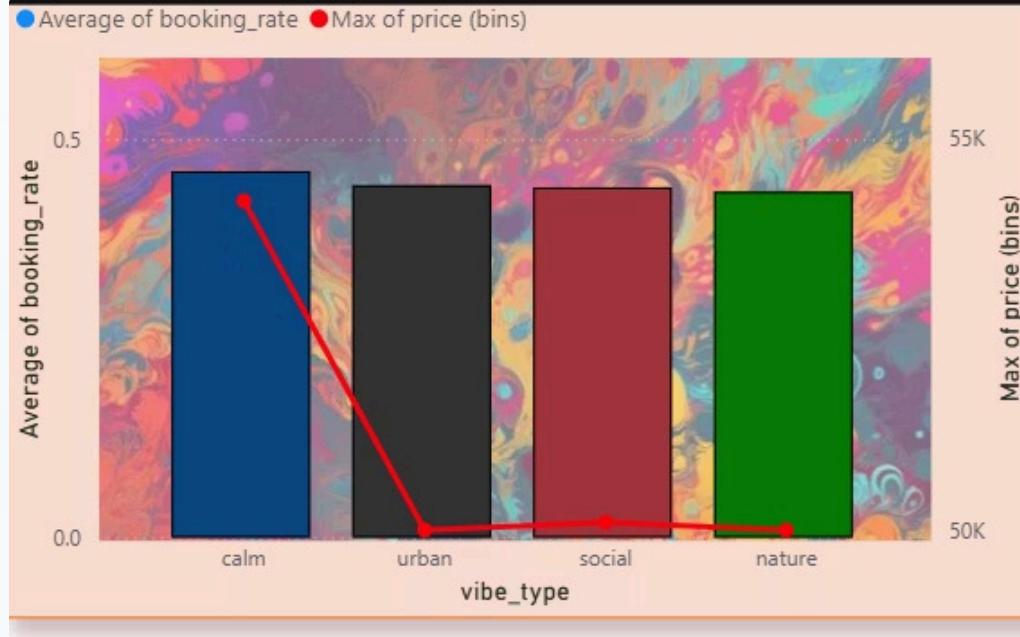




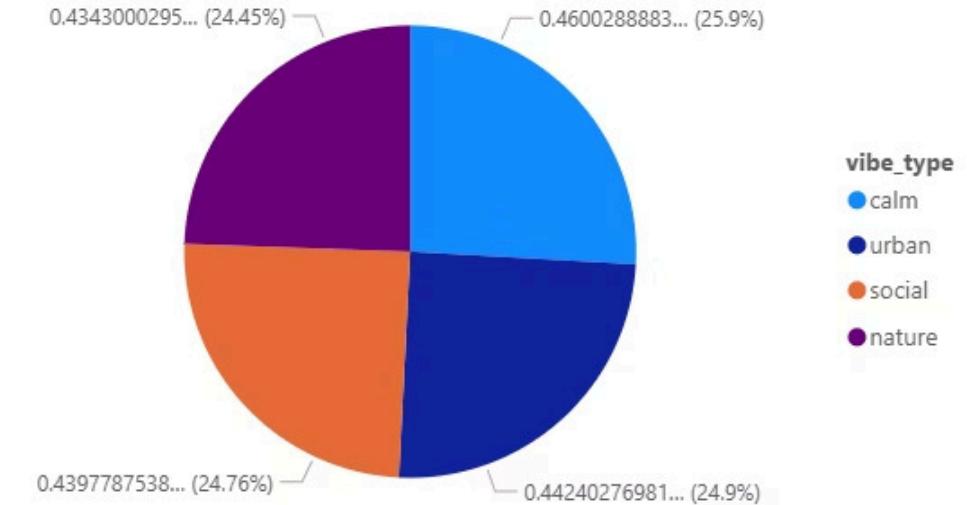




POWERBI FUN

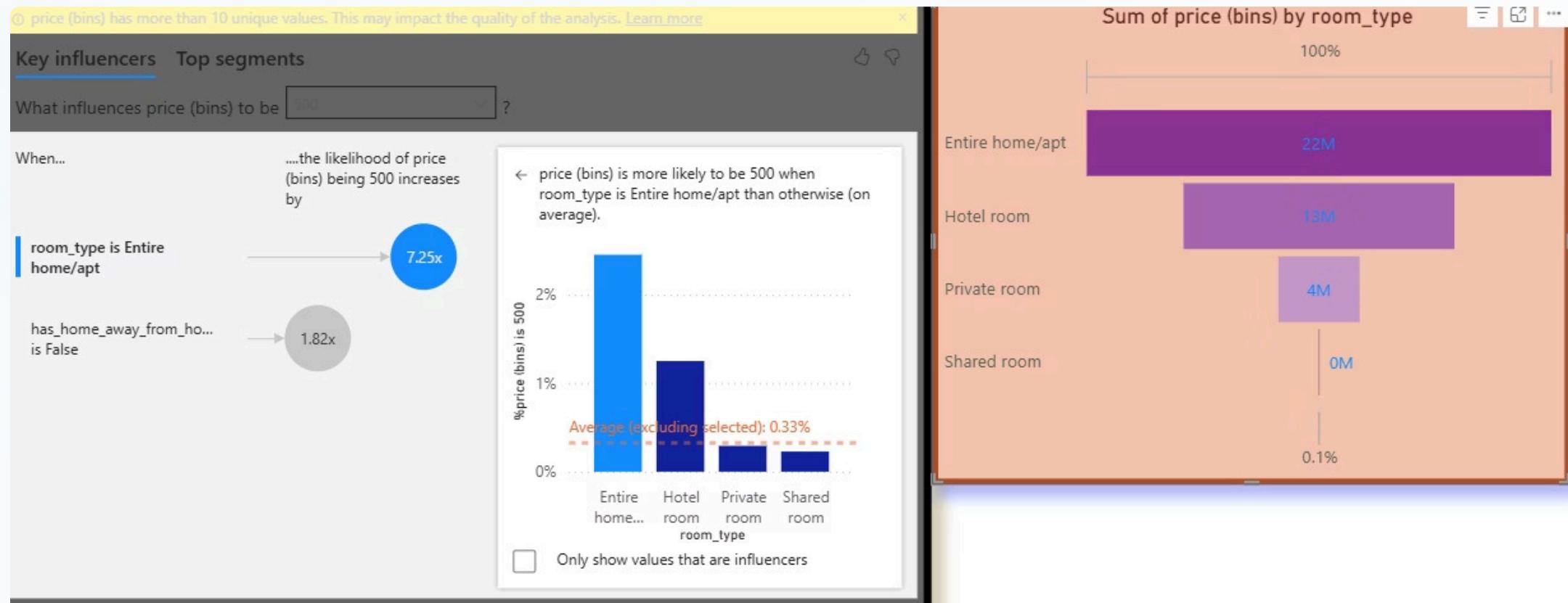


Average of booking_rate by vibe_type





MORE FUN WITH POWERBI



Not surprising, "number of beds" are "correlated to number of bathrooms" and as both increase the price tag increases.

.....*MORE TO COME AND DESCRIPTION
AND ANALYSIS OF ABOVE TO BE ADDED.*

