

Airbnb Copenhagen Analysis

In this assignment, we analyzed Airbnb listings in Copenhagen using data from Inside Airbnb. The goal was to clean, process, and analyze the data to uncover insights about the Airbnb market in the city.

Key Tasks Performed

1. Data Cleaning:

- Removed rows with missing or zero values in critical columns like reviews and price.
- Standardized neighborhood names to ensure consistency (e.g., replacing "Nrrebro" with "Nørrebro").
- Converted price values from string to numeric for easier analysis.
- Categorized apartments into "affordable" and "expensive" based on the median price.

2. Data Exploration and Visualization:

- Created a word cloud to summarize common apartment features from the listing names.
- Explored patterns in pricing, availability, and reviews.
- Visualized the distribution of apartments by neighborhood to understand geographic trends.

3. Insights and Analysis:

- Analyzed the relationship between price, ratings, and neighborhood to understand market dynamics.
- Identified trends in affordability and demand across different areas in Copenhagen.

We worked on cleaning and transforming the dataset, making it suitable for analysis. This assignment allowed us to apply data manipulation techniques, visualize trends, and derive actionable insights into the Airbnb market in Copenhagen.