

Group 6:

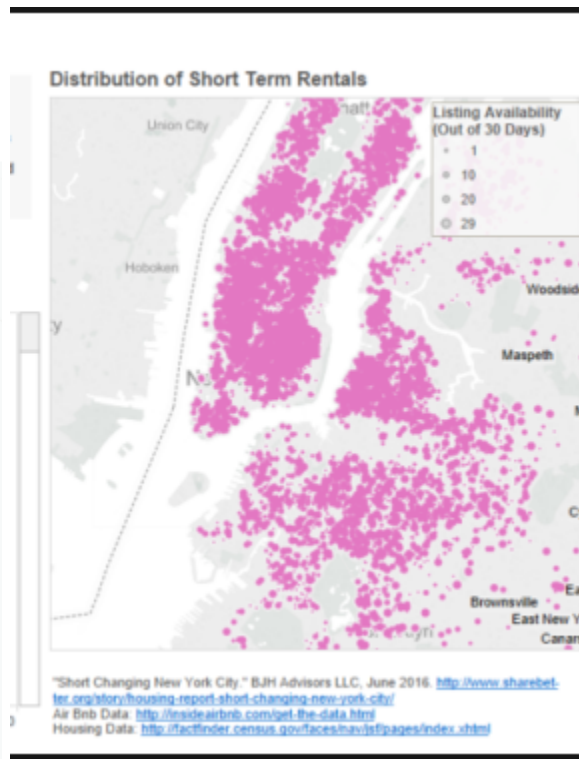
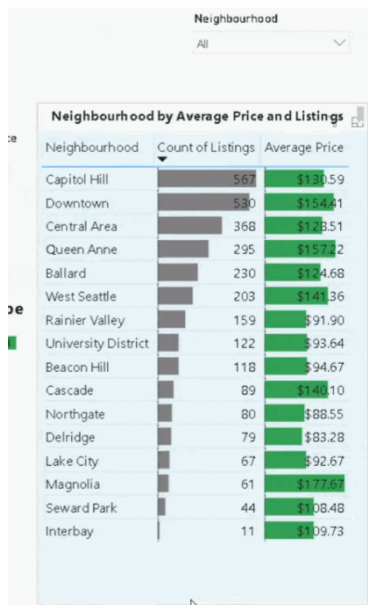
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Visualizations:

1. How does pricing vary by neighborhood group?
[Bronx, Brooklyn, Manhattan, Queens, Staten Island]
 - Load and Clean Data
 - Load dataset into Pandas Dataframe
 - Clean Data
 - Duplicate values in the neighborhood group column (lower-cased versions)
 - Group & Calculate
 - Group dataframe by "neighborhood" group column
 - Use .mean function to calculate avg price for each neighborhood group
 - Store results
 - Visuals
 - Matplotlib or Seaborn
2. How does property type vary by neighborhood
[Private Room, Entire Space, Hotel, Shared Room]
 - Count & Group
 - Group dataframe by 'neighborhood group' and 'property type'
 - Use .count function to get number of property types within each neighborhood group
 - Visuals
 - Barchart or heatmap
3. Most common words used in listing name
 - Use Python 'Counter' to count frequency of word in listing names
 - Sort word frequency in descending order
 - Barchart or Word Cloud
4. Interactive map that reads avg rating and pricing by property type when selecting neighborhood
 - Map

- Set up interactive map using leaflet
- Basic interactive map on HTML page
- Integrate Data
 - Export from Pandas to JSON
 - Load and integrate into Map
- Interactive
 - Event listeners to capture user interactions
 - Selecting a neighborhood
 - Update markers/display information
 - Avg Rating
 - Avg Rate by Property Type
 - Most common words
 - Price
 - Listing Type
 - Neighborhood
 - Neighborhood Group
 - Rating



options
Transform import count
frequency font visualize
free Data generator
Into Insights import
sentiment color cloud
print download word customize

