Required Steps and Elements for a Completed Project

Data source: Reference the NYC Airbnb Data source.

Project goals: Align the analysis with the client's objectives of identifying attractive property types for investment.

Clarity and conciseness: Present the findings in a clear and understandable manner, avoiding unnecessary complexity.

Professionalism: Maintain a professional tone and appearance throughout the report.

Data Cleaning and Preparation:

- -Freeze and Resize as appropriate
- -Handle missing values
- -Create new columns:
- neighborhood_clean: Store cleaned neighborhood names.
- bedrooms_clean: Store cleaned bedroom counts.
- top_listing: Indicate whether a listing meets the criteria for a "top listing."
- revenue_earned (in both listings and calendar sheets): Calculate revenue earned for each night.

Pivot table analysis:

- -Identify top 10 neighborhoods based on number_of_reviews_ltm.
- -Determine most popular property sizes (number of bedrooms) overall.
- -Analyze preferred property sizes for each of the top 10 neighborhoods.
- -Calculate annual revenue for top listings based on 30-day sample.

Data visualization:

- Create a bar chart to display the number of reviews for the top 10 neighborhoods.

Documentation and Presentation:

- -Executive summary: Provide a concise overview of the project, key findings, and recommendations.
- -Table of contents: Organize the report with clear headings and subheadings.
- -Change Log: Document the procedures.
- -Assumptions: Clearly state any assumptions made during the analysis.
- -Formatting and consistency: Ensure consistent formatting, borders, colors, fonts, and sizes throughout the report.

Additional Considerations: