

Section 6: AI Tools & LLMs Used

I used ChatGPT (GPT-4) as a support tool throughout the assignment. It helped me:

- Understand the requirements for each section and plan my approach accordingly.
- Debug and structure my Python code, optimize SQL queries, and apply Excel formulas effectively.
- Learn and apply Tableau dashboarding techniques, including how to:
 - o Choose appropriate chart types
 - o Create calculated fields
 - o Add filters, actions, and interactivity
 - o Format and publish a clean dashboard

I used ChatGPT mainly for explanations and guidance. All outputs and visualizations were created and reviewed by me, ensuring full understanding and originality.

ChatGPT can be an incredibly helpful companion for students not only throughout a data science or technical course but also in other fields as well. It offers:

Instant Clarification: Students can ask ChatGPT to explain complex concepts like machine learning algorithms, SQL joins, or pivot tables in simple language.

Code Assistance: It can help write, debug, and optimize code in Python, SQL, R, etc., while explaining the logic behind each step.

Project Guidance: ChatGPT can suggest step-by-step approaches for assignments, capstone projects, or data analysis workflows.

Tool Support: It can guide students in using tools like Jupyter Notebook, Excel, Tableau, and Git, saving time on tool-related confusion.

Practice Help: Students can use it to generate sample questions, build mock datasets, and simulate interview preparation.

Learning at Your Pace: ChatGPT responds instantly and patiently, allowing students to learn at their own speed without hesitation.

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ChatGPT



Let me know once you've published it or if you'd like help with layout/design before sharing.

How to arrange

Great question! Let me guide you step-by-step to arrange your dashboard in Tableau Public:

Step-by-Step: Arrange the Dashboard

1. Open Dashboard View

- Click the “New Dashboard” tab at the bottom (it looks like a window icon with a '+').

2. Understand the Layout Area

- You'll see a blank canvas on the right.
- On the left, under “Sheets”, you'll see your three charts (e.g., Listings by Area, Average Price by Room Type, Availability by Neighborhood).

3. Drag and Drop Visualizations

- Drag one worksheet (e.g., Listings by Area) onto the blank canvas.
- Then drag the next one (Average Price...) below or beside it—watch for the shaded areas that appear to guide you (horizontal or vertical split).
- Do the same for the third (Availability Trends).

4. Adjust Size and Layout

+ Message

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