Briefly describe how you have used AI to build your project. \*

I see the project as an extended learning session. Consequently, I used AI tools to augment my learning. This meant that whenever something did not work, I asked ChatGPT what is going wrong. Once it indicates the point of confusion, I analyzed if the responses made sense in my context and proceed with the next step.

For instance, when working on PowerBI, I used ChatGPT to give me the code for incorporating measures. While most of these were straightforward, a ran into context-based issues with a couple of them. In these instances, I asked ChatGPT to point out what’s causing the code the break and worked on that. This helped me proceed despite the hiccups.

I also instructed ChatGPT to critically evaluate my approach or an explanation. For instance, I was working with a synthetic, labelled dataset. However, I wanted to ignore the labels and see if I can detect any meaningful clusters. I ran ChatGPT through this thought process and asked it to critically evaluate it.

For coding purposes, I used GenAI tools as a “Copilot” guiding it on what I required. For instance, while dashboarding, I set the benchmark for the pass score. During Transformation, I created the code for a chart and later, when I required a similar chart, I used AI Tools to simply follow the structure and replace the X and Y values accordingly. Similarly, during hypothesis testing, I read the LMS, and confirmed my understanding through AI tools, before determining a test method.

Focus on your interactions with how you used AI to return the results you needed.

Briefly describe the challenges you faced when using AI to build your project.\*

The chat overflowing was a major concern while I was using ChatGPT as loading speed impacted wait times. In couple of instances, I think ChatGPT couldn’t process the context. I was running into an “VAR Read” error while dashboarding and just couldn’t figure a way out (until I finally did). While for more straightforward fixes, AI works well, deeper context analysis I feel AI requires more training.

Briefly describe how AI benefited you and your project.\*

AI tools, and these projects too, extend my learning. I was able to add a layer of complexity to my learning with the help of these tools. I think AI adds true value in making information accessible.

As for the project, I was able to expand it to its current size because I was able to leverage AI. I was able to decide and produce quicker because of AI. Sometimes, the call outs from my chats with AI inspired me to solidify my actions. For instance, following transformation I knew I’d to check if the features reflected the transformation. ChatGPT asked me to also check for missing values.

Explain the ethical considerations taken into account when building your project.

The dataset I selected for my project was synthetically generated (engineered data). However, the author had included a feature anonymizing the unique identifier. When inferring upon such data, the business recommendations need to be cautiously framed as the actual observations might vary.

While explaining the statistical test results, I restricted the interpretation to the synthetic dataset. Similarly, in the business recommendations, I mentioned why the business needs to watch out for correlation between certain features and how they can gather data.

Additionally, I called out the ethical boundaries a business needs to set while gathering data and how they need to inform learners about their choices. Apart from ensuring privacy, this also helps learners interact with the system in a safe environment.

that need to be set while gathering such

out during explaining my hypotheses that the features within the dataset show no statistical significance. Under business recommendations, I mentioned that

The insights drawn from a synthetic dataset need to be caref

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