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Report

Reflection on the Activity

At first glance, this task seemed straightforward—leverage modern AI tools to generate visualizations quickly. However, the reality proved more challenging. While AI provided a solid starting point, the process required careful manual implementation and testing to ensure compatibility with the dataset. Simply copying and pasting AI-generated code wasn't enough; each visualization needed adjustments, debugging, and validation to work correctly.

Despite the initial assumption that technology would streamline everything, the task demanded significant time and effort. Without AI, this would have taken me more than a day to complete. With AI, the process was faster, but it still required hands-on problem-solving to refine the output and ensure accuracy.

Key Takeaways:

- AI is a powerful assistant, not a replacement—it accelerates ideation but still requires human oversight.
- Testing is critical—automated suggestions must be manually verified for compatibility and correctness.
- Efficiency gains are real—while not effortless, AI significantly reduced the time needed compared to starting from scratch.