Does AI write better commit message than Developers?

A comparative analysis of the quality of AI-generated commit messages and manually written messages by developers.

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1 Abstract

2 Introduction

Start with an introduction that explains the importance of commit messages in software development and provides some background information on conventional commit messages. Also, include a thesis statement that outlines your main argument or point of comparison.

3 Criteria

Identify the criteria you will be using to compare the AI-generated commit messages with the human-written conventional commit messages. Some possible criteria could include the clarity of the message, the consistency of the message with the code changes, and the effectiveness of the message in communicating the purpose of the code changes.

4 Comparison

In this section, compare the AI-generated commit messages with the human-written conventional commit messages based on the criteria you identified. You can organize this section using either the block or point-by-point method.

- Block Method: You could discuss the AI-generated commit messages first, covering each criterion, and then move on to the human-written conventional commit messages, covering each criterion again. This approach might be more useful if you want to highlight the differences between the two types of messages.

- Point-by-Point Method: You could compare the AI-generated commit messages and the human-written conventional commit messages side by side for each criterion. This approach might be more useful if you want to compare the similarities and differences between the two types of messages in a more detailed way.

5 Conclusion

Summarize your main points of comparison and restate your thesis. Also, provide some final thoughts on the strengths and weaknesses of AI-generated commit messages compared to human-written conventional commit messages and discuss any implications for software development.