Experiment 2

Comparative Analysis of Naïve Prompting versus Basic Prompting Across Various Test Scenarios

Experiment:

Test and compare how different models respond to naïve prompts (broad or unstructured) versus basic prompts (clearer and more refined) across multiple scenarios. Analyze the quality, accuracy, and depth of the generated responses.

Comparative Analysis of Naïve vs. Basic Prompting

Test Scenario	Naïve Prompt	Basic Prompt	Quality	Accuracy	Depth
Scenario 1: Summarizing a Complex Text	Summarize this article	Summarize this article in 50 words, focusing on the main argument and key findings.	Lower	Lower	Lower
Scenario 2: Creative Writing	Write a story	Write a short story (100 words) about a robot who dreams of becoming a chef.	Higher	Higher	Higher
Scenario 3: Code Generation	Generate code	Generate Python code to sort a list of numbers in ascending order.	Lower	Lower	Lower
Scenario 4: Factual Query	Tell me about the moon landing	Tell me the date of the first manned moon landing and the name of the mission.	Higher	Higher	Lower
Scenario 5: Translation	Translate this sentence	Translate "Hello, how are you?" into Spanish.	Higher	Higher	Lower

Analysis:

Quality: Because basic prompts provide clear expectations and instructions, they typically produce replies of a better calibre.

Accuracy: Since basic prompts eliminate ambiguity and the possibility of misunderstandings, they typically result in more accurate replies.

Depth: While simple suggestions frequently provide more targeted and educational results, naïve prompts can occasionally result in more imaginative and surprising answers.

Conclusion:

Basic suggestions are typically more successful for getting precise and targeted outcomes, however naïve prompts might be helpful for exploring reasons. Users may greatly enhance the calibre and applicability of AI-generated material by giving explicit instructions and directions.