

Statement of AI Tool Usage

CSYS5030: Project Proposal

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Preamble

This document discloses the use of artificial intelligence (AI) tools in the preparation of my project proposal, “Quantifying the Information Flow between Context and Behavior,” as required by the course guidelines. The tools were used as assistive technologies to enhance productivity and improve the quality of the final submission, not to generate core academic content or arguments.

Breakdown of AI Tool Usage

My use of AI tools can be categorized into the following stages of the research and writing process:

1. Literature Discovery and Conceptual Understanding:

- The *Consensus* app was used for initial literature screening to identify relevant papers.
- Large language models (LLMs), including Google Gemini, OpenAI’s ChatGPT, and Anthropic’s Claude, were utilized to summarize and explain complex concepts from the discovered literature, thereby accelerating my understanding of the material.

2. Structural Planning and Outlining:

- LLMs (Gemini, ChatGPT, Claude) were used as brainstorming partners to discuss and structure the proposal’s outline, helping to organize my ideas into a logical and persuasive narrative flow.

3. Academic Writing and Language Polishing:

- After composing the initial draft, LLMs (Gemini, ChatGPT, Claude) were employed to refine phrasing, improve clarity, and adjust the linguistic style to meet formal academic standards. This process was akin to using an advanced grammar and style checker.

4. Technical Implementation and Formatting:

- Google Gemini was used to assist in converting the final proposal text into the \LaTeX format.

5. Review and Quality Control:

- LLMs (Gemini, ChatGPT, Claude) were prompted to act as academic reviewers. They were provided with the course project description and my draft to perform a critical review, helping to identify areas where the proposal might not fully meet the assignment’s requirements.

Affirmation of Originality

Despite the extensive use of these powerful assistive tools, I affirm that the core research question, the selection of methodologies, the interpretation of concepts, and the final composition of all arguments are my own original work. The AI tools served as a scaffold for my research process, not as a substitute for my own critical thinking and academic effort.