



# AI-Powered Research Writing: Unlocking Tools for Smarter, Faster Results (The Sciences & Related Disciplines)

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**Date:** May 21, 2026 (Thursday)

**Time:** 2:00 p.m. - 4:50 p.m.

**Venue:** Main Campus, HKU

## Overview


This 3-hour workshop introduces postgraduate students of the sciences and related disciplines to the practical applications of AI tools for enhancing research writing. With the growing use of AI in academic work, the workshop focuses on how AI can be leveraged to streamline writing tasks, such as drafting, editing, referencing, and synthesizing research material. Students will learn how to write effective AI prompts, use AI outputs in their research, and integrate AI into various stages of their writing process – from brainstorming ideas to finalizing the manuscript. The workshop provides hands-on experience with a variety of AI tools, empowering students to enhance their writing efficiency and academic rigor.

## Learning Outcomes

By the end of the workshop, participants will be able to:

1. *understand* the role of AI in research writing, including its benefits and limitations;
2. *create* effective AI prompts tailored to their research needs;
3. *critically assess* and *refine* AI-generated content for academic use;
4. *integrate* AI tools into their writing, editing, and reference management processes;
5. *explore* advanced AI functionalities for research synthesis and data analysis; and
6. *apply* learned AI tools to enhance writing efficiency, clarity, conciseness, and academic rigor.

## Learning Activities

1. Prompt crafting for research writing
  2. Making use of AI output
  3. Advanced AI uses for research
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**Remarks**

The preferred class size is around 30 students to ensure an engaging and interactive learning experience.

This workshop follows a consistent framework across different rounds under the same title. However, the AI tools demonstrated, along with the strategies and examples used, may be updated periodically to reflect current developments in AI technologies. As a result, participants attending different runs of the workshop may encounter updated tools or workflows, even when the outline remains unchanged.

Students are encouraged to bring along their own laptops and writing (e.g., an introduction they wrote for a research topic or a full research paper). This is optional but will allow them to apply the AI tools directly to their own work during the workshop.

