

AI for Data Analysis

PROGRAMME DESCRIPTION

This one-day intensive workshop is designed for healthcare educators, faculty members, researchers, and data managers who regularly engage with large datasets. The session focuses on using Generative AI tools to enhance efficiency and accuracy in research processes, data synthesis, and analysis.



DURATION: 1 DAY

Participants will learn to leverage platforms such as ChatGPT, Elicit, and NotebookLM to support literature reviews, thematic analysis, hypothesis development, and outcome reporting. Through guided exercises and real-world examples, attendees will explore how AI can streamline the entire research pipeline—from idea generation to publication-ready content—while maintaining scientific rigour and ethical standards.

PROGRAMME CONTENT

This programme comprises the following learning topics:

- Use of AI tools like ChatGPT, Elicit.org, and NotebookLM
- Guided exercises to build a data analysis strategy and analytical summaries from real datasets
- Group-based problem-solving using anonymised case studies
- Custom AI prompts for participants' specific data challenges



TARGET AUDIENCE

Healthcare educators and faculty members engaged in research and curriculum evaluation related to health professions education.

LEARNING OUTCOMES

At the end of the programme, participants will be able to:

- Use AI tools to conduct qualitative and quantitative educational research.
- Apply data-driven insights to curriculum design and faculty development.
- Critically evaluate and publish education research using AI-enabled workflows.
- Contribute to a sustainable NHG Faculty Development culture by acting as future AI Data Champions

METHODOLOGY

This programme is designed to be an interactive learning experience for participants.

Methodologies used will include:



Group discussions



Project presentations



Hands-on activities
Utilising AI applications

TRAINING CAPACITY

30 participants per run

ABOUT THE ORGANISER

Officially established on 19 July 2002, the NHG College plays an instrumental role in facilitating the continuous learning and development of our workforce, as well as, promoting systems improvement and driving leadership development in NHG Health. NHG College collaborates with renowned institutions and industry partners to build the pipeline and collective capacities of our leaders, educators, healthcare professionals and staff to support NHG Health in serving and managing the health of our patients and the population.

For enquiries on Education and Faculty Development courses, please visit our website by scanning the QR code below or email us at: nhggroup.college@nhghealth.com.sg

