

Academia Sinica

Guidelines for Using Generative AI Tools

Artificial Intelligence (AI) technologies and models (such as ChatGPT and Gemini) are rapidly evolving. Researchers are encouraged to approach these new technologies with an open mind, fully understanding their functions and limitations, and to utilize them effectively to enhance research efficiency and outcomes. This guideline aims to assist researchers in making appropriate judgments with respect to using generative AI tools, while continuously practicing responsible research conducts.

The following are three core principles for using generative AI tools:

1. **Ensure the Accuracy of AI-Generated Contents**

Generative AI models derive their language patterns from large volumes of data, and the results obtained thereof may be inaccurate, fabricated, or potentially harmful. Therefore, researchers must verify the content generated by AI to ensure the accuracy of all information, data, and cited sources derived from such content.

2. **Protect Personal Privacy and Information Security**

Data shared with generative AI may be included into its training database. As such, researchers should not provide generative AI personal data, unpublished research findings, confidential information, or information that is subject to confidentiality obligations or has not been authorized for disclosure. Additionally, when undertaking works that involve confidentiality (such as peer review, research proposal evaluations, etc.), researchers should avoid using generative AI so as not to compromise the rights or interests of individuals or institutions.

3. **Practice Research Transparency and Accountability**

Before using generative AI in researches, researchers should familiarize themselves with the latest policies and regulations regarding generative AI from academic institutions, funding agencies, journals, conferences, and other relevant bodies, and should adhere to them throughout the research process. Where generative AI tools have been used substantially in the research process, or where research outcomes include AI-generated contents, disclosure of its use and proper attribution should be made in accordance with academic conventions and copyright laws. Researchers are fully responsible for their research conducts and outcomes.

References

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