Development of an Accurate-Response Q&A System using Generative AI

Background

The development of generative artificial intelligence (AI) has been remarkable, and its application to business operations is becoming increasingly essential. In particular, AI has enabled intra-corporate query responses through technologies such as retrieval augmentation. However, AI hallucination cannot be ruled out, thus posing some operational risks. It is therefore necessary to develop functions for verifying the correctness of generative AI responses and providing feedback in a Q&A system that accesses internal databases.

Goal

To build a system for verifying the correctness of generative AI responses and providing relevant feedback.

Tasks

1. Develop a mechanism for verifying the correctness of generative AI responses.
2. Develop a feedback function for (1).
3. Implement (1) and (2) in a system.

Required Qualifications

- Knowledge of HTML, JavaScript, and Vue.js.
- Understanding of Japanese language for evaluating the correctness of responses.
- Python programming.
- Familiarity with Linux and setting up a web application server.
- English communication skills.

Contact information

This project is hosted by SEL. Students are invited to apply for a scholarship from SEL through the Sweden-Japan Foundation. For more information, please visit the SEL web site or contact the SEL public relations team at info@sel.co.jp.