Training: Google Cloud

Writing Effective Prompts for Generative AI

TRAINING GOALS:

As generative AI becomes more common, the ability to interact with large language models is shifting from niche knowledge to a necessary skill across many different industries and roles. In this course, you will learn the fundamentals of prompting large language models and exploring further techniques for improving the output from large language models.

What you'll learn:

- Explain the capabilities of generative AI and list possible use cases.
- Identify the differences between keyword search and prompting, and list the benefits of prompting.
- Describe and apply prompt design best practices.
- Describe and apply approaches to improve the accuracy of generative AI responses.

Audience

Business professionals who apply generative AI techniques to solve common day-to-day tasks.

Products

- Google Gemini
- Google Workspace with Gemini

CONSPECT:

- Module 1 - What is generative AI?
  - Topics:
    - Definition of generative AI
    - Capabilities of generative AI
    - Tasks generative AI can help with

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- Objectives:
  - Explain the capabilities of generative AI and list possible use cases.
- Activities:
  - 1x group discussion

- Module 2 - Searching vs prompting
  - Topics:
    - Differences between keyword search and prompting
    - Prompt examples
    - The benefits of prompting
  - Objectives:
    - Identify the differences between keyword search and prompting, and list the benefits of prompting.
  - Activities:
    - 1x activity with Google Gemini
- Module 3 - Prompt design best practices
  - Topics:
    - The importance of prompt design
    - General best practices
    - Use prompt building blocks
    - Provide examples
    - Iterate through prompts
    - Define follow-up prompts
    - Chain-of-thought
    - Prompt editor
  - Objectives:
    - Describe and apply prompt design best practices.
  - Activities:
    - 6x demos; 1x activity with Google Gemini
- Module 4 - Improving output accuracy
  - Topics:
    - Hallucinations definition
    - Use prompt instructions
    - Grounding and citations
    - Double-check responses
    - Developer settings
  - Objectives:
    - Describe and apply approaches to improve the accuracy of generative AI

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responses.

- Activities:
  - 3x demos; 1x activity with Google Gemini

REQUIREMENTS:

Attendees should have access to gemini.google.com to complete the course activities. There are no other prerequisites for this course. It aims to provide both introductory and advanced insights into generative AI, making it suitable for individuals with varying levels of AI expertise.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Google Cloud

TRAINER:

Authorized Google Cloud Trainer

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