Group meeting

6/26/24

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Outline

- ChatIAMs
 - Application
 - Assistant API
 - Web
 - Research
 - Level 2 Experiments

Assistant API

- Q: What's Assistant API?
- https://platform.o penai.com/docs/as sistants/overview

Assistants API

The Assistants API allows you to build AI assistants within your own applications. An Assistant has instructions and can leverage models, tools, and files to respond to user queries. The Assistants API currently supports three types of tools: Code Interpreter, File Search, and Function calling.

You can explore the capabilities of the Assistants API using the Assistants playground or by building a step-by-step integration outlined in this guide.

Overview

A typical integration of the Assistants API has the following flow:

- 1 Create an Assistant by defining its custom instructions and picking a model. If helpful, add files and enable tools like Code Interpreter, File Search, and Function calling.
- 2 Create a Thread when a user starts a conversation.
- 3 Add Messages to the Thread as the user asks questions.
- 4 Run the Assistant on the Thread to generate a response by calling the model and the tools.

This starter guide walks through the key steps to create and run an Assistant that uses Code Interpreter. In this example, we're creating an Assistant that is a personal math tutor, with the Code Interpreter tool enabled.

Assistant API

- Why Assistant API?
- Ex1: When
 the Surface
 Air
 Temperature
 will Change
 about 2
 degree under
 ssp 585?



A chatbot enhanced by <u>IAMs</u> from <u>IPCC</u>

- When the Surface Air Temperature will Change about 2 degree under ssp 585?
- The Surface Air Temperature Change reaches approximately 2 degrees Celsius under the SSP 585 scenario around the year **2042**.

If you need further analysis or details, feel free to ask!

Assistant API

- Why Assistant API?
- Ex2: Which scenaria that we can limit Surface Air Temperature Change 1.5 degree in 2100?

ChatIAMs

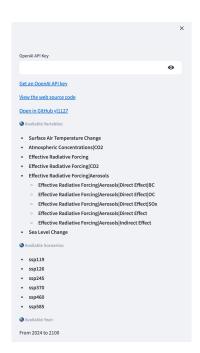
A chatbot enhanced by <u>IAMs</u> from <u>IPCC</u>

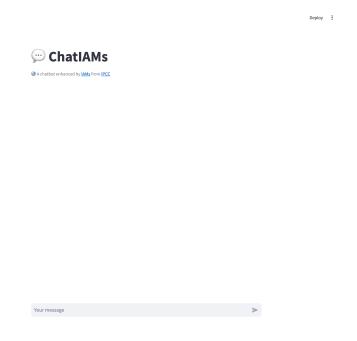
- Which scenaria that we can limit Surface Air Temperature Change 1.5 degree in 2100?
- The scenarios where the Surface Air Temperature Change is limited to 1.5 degrees Celsius by 2100 are:
 - 1. Model: IMAGE, Quantile: 0.005, Scenario: ssp119, Temperature Change: 1.26 K
 - 2. Model: IMAGE, Quantile: 0.025, Scenario: ssp119, Temperature Change: 1.27 K
 - 3. Model: IMAGE, Quantile: 0.500, Scenario: ssp119, Temperature Change: 1.50 K

All these scenarios correspond to the "ssp119" scenario, suggesting that it is a key scenario for limiting global temperature rise to 1.5 degrees Celsius by 2100.

Web

- https://github.co m/yl1127/ChatlA Ms
 - IAMs
 - IPCC Annex III:Scenariosand ModellingMethods





Level 2 Experiments

- ClimateX
- << ClimRetrieve: A Benchmarking Dataset for Information Retrieval from Corporate Climate Disclosures>>
 - Authors: Tobias Schimanski, Jingwei Ni, Roberto Spacey, Nicola Ranger, Markus Leippold
 - Submitted on 14 Jun 2024
 - https://arxiv.org/abs/2406.09818
 - https://github.com/anomized-for-submission

Next week

- Application
 - Add source or reference(search tool)
 - Overall summary 2050s
 - Web (Assistant API)
- Research (Paper)
 - ClimateX
 - << ClimRetrieve: A Benchmarking Dataset for Information Retrieval from Corporate Climate Disclosures>>

Discussion