**Base URL**

1. <https://dashboar-api.onrender.com/>
2. <https://chatbot-axvr.onrender.com> – used for chatbot

**Endpoints**

**1. Time-Series Analysis Endpoints (main.py)**

**1.1. Get Time-Series Data**

**Endpoint:**  
GET /time-series

**Description:**  
Returns the time-series data related to user queries from Reddit.

**Query Parameters:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Type** | **Required** | **Description** |
| query | string | Yes | The search term to filter time-series data |

**Response:**

* **200 OK:** Returns an array of objects with timestamp and score.
* **400 Bad Request:** If an error occurs in processing.

**Response Example:**

[

{

"timestamp": "2024-03-13T12:00:00",

"score": 120

},

{

"timestamp": "2024-03-10T15:30:00",

"score": 45

}

]

**1.2. Get Subreddit Distribution**

**Endpoint:**  
GET /subreddit-distribution

**Description:**  
Returns the distribution of posts across different subreddits.

**Response:**

* **200 OK:** Returns subreddit counts.

**Response Example:**

[

{"subreddit": "Python", "count": 150},

{"subreddit": "MachineLearning", "count": 120},

{"subreddit": "DataScience", "count": 100}

]

**2. AI Chatbot Endpoints (chatbot.py)**

**2.1. Chat with AI**

**Endpoint:**  
POST /chat

**Description:**  
Sends a user query to the AI chatbot and retrieves a response.

**Request Body:**

{

"message": "What are the latest trends in AI?"

}

**Response:**

* **200 OK:** Returns AI-generated text response.

**Response Example:**

{

"response": "AI is rapidly evolving, with advancements in multimodal learning, generative models, and real-time inference."

}

**2.2. Get Chat History**

**Endpoint:**  
GET /chat-history

**Description:**  
Fetches the conversation history of the AI chatbot.

**Response:**

* **200 OK:** Returns an array of past chat messages.

**Response Example:**

[

{

"user": "What is AI?",

"bot": "AI stands for Artificial Intelligence, a field focused on creating intelligent systems."

},

]

**Error Handling**

The API returns standard HTTP status codes for errors:

* **400 Bad Request:** Invalid input or missing parameters.
* **404 Not Found:** Requested resource does not exist.
* **500 Internal Server Error:** An unexpected server error occurred.