



Prompt Engineering UI

Table: eval_results_table.json ⓘ							
Filter by stock_type							
Group by: stock_type							
Compare: output							
output							
> stock_type	<ul style="list-style-type: none">mlflow_inference_ui_example (2) ⓘ Evaluate allmlflow_inference_ui_example ⓘ Evaluate all						
+ coffee filters	<table border="1"><tr><td>llama2-70b-chat</td><td>gpt-3.5-turbo</td></tr><tr><td>"Sip your way to a happier day with our premium coffee filters, delivering the perfect cup every time - order now and start your caffeine-fueled adventure!"</td><td>"Upgrade your coffee brewing experience with our premium coffee filters, delivering the perfect cup every time - shop now!"</td></tr><tr><td>2271 ms</td><td>1443 ms, 50 total tokens</td></tr></table>	llama2-70b-chat	gpt-3.5-turbo	"Sip your way to a happier day with our premium coffee filters, delivering the perfect cup every time - order now and start your caffeine-fueled adventure!"	"Upgrade your coffee brewing experience with our premium coffee filters, delivering the perfect cup every time - shop now!"	2271 ms	1443 ms, 50 total tokens
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books	<table border="1"><tr><td>"Get lost in the pages of our online bookstore, where the stories are endless and the adventures never stop!" 📖👉 #booklover #reading #bookstore #onlinebooks #literaturelover</td><td>"Discover a world of knowledge at your fingertips with our vast collection of books, available at unbeatable prices - shop now and embark on a literary journey like no other!"</td></tr><tr><td>2815 ms NaN</td><td>1868 ms, 61 total tokens</td></tr></table>	"Get lost in the pages of our online bookstore, where the stories are endless and the adventures never stop!" 📖👉 #booklover #reading #bookstore #onlinebooks #literaturelover	"Discover a world of knowledge at your fingertips with our vast collection of books, available at unbeatable prices - shop now and embark on a literary journey like no other!"	2815 ms NaN	1868 ms, 61 total tokens		
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Configure OpenAI and Mosaic Endpoints in MLflow AI Gateway



```
routes:
- name: chat_openai
  route_type: llm/v1/chat
  model:
    provider: openai
    name: gpt-3.5-turbo
    config:
      openai_api_key: $OPENAI_API_KEY
- name: chat_mosaic_llama
  route_type: llm/v1/chat
  model:
    provider: mosaic
    name: llama2-70b-chat
    config:
      mosaic_api_key: $MOSAIC_API_KEY
```



Start a new MLflow run with the Prompt Engineering UI

The screenshot shows the MLflow web interface for a 'Default' experiment. The page includes a search bar for experiments, a list of experiments (currently showing 'Default'), and a 'Description' section with a search filter. A red box highlights the '+ New run' button, and a red arrow points to the 'Experimental' tab in the navigation bar. The main content area displays 'No runs logged' with a message: 'No runs have been logged yet. Learn more about how to create ML model training runs in this experiment.' The bottom of the page shows '0 matching runs'.

MLflow 2.7.0 Experiments Models GitHub Docs

Experiments Default

Default Provide Feedback Share

Experiment ID: 0 Artifact Location: file:///Users/daniel.liden/projects/prompt_ui/mlruns/0

> Description Edit

Time created State: Active Sort: Created Columns

Table Chart Evaluation Experimental **+ New run**

using Prompt Engineering Experimental
using Notebook

Run Name Create

No runs logged
No runs have been logged yet. [Learn more about how to create ML model training runs in this experiment.](#)

0 matching runs

Configure the model and prompt template

The screenshot shows the MLflow 'New run' configuration page. The interface is divided into several sections:

- Model Selection:** A dropdown menu is set to 'chat_openai'. A red box highlights this section with the annotation: "1. Select Gateway endpoint and configure inference parameters".
- Inference Parameters:** Includes a 'Temperature' slider set to 0.01, 'Max tokens' set to 100, and 'Stop Sequences'.
- Prompt Template:** A text area contains the prompt: "I have an online store selling {{ stock_type }}. Write a one-sentence advertisement for use in social media." A red box highlights this section with the annotation: "2. Configure prompt template". A 'View Examples' button is visible to the right.
- Template Variables:** A variable named 'stock_type' is defined with the value 'books'. A red box highlights this section with the annotation: "3. Fill in template variables".
- Buttons:** An 'Evaluate' button is highlighted with a red box and the annotation: "4. Evaluate!". A 'Cancel' button is also present.
- Run Name:** A text field contains 'selective-bird-798'.
- Output:** A large empty text area for the model's output.
- Footer:** 'Cancel' and 'Create run' buttons are at the bottom right.

At the bottom of the browser window, it shows "0 matching runs".

Add additional prompt inputs and models

The screenshot shows the MLflow Experiments page for an experiment named 'mlflow_ui_example'. The interface includes a search bar with the query 'metrics.rmse < 1 and params.model = "tree"', filters for 'Time created', 'State: Active', and 'Sort: Created', and a '+ New run' button. Below the filters, there are tabs for 'Table', 'Chart', 'Evaluation', and 'Experimental'. The 'Table' view shows a table with columns for 'Run Name' and 'output'. The table contains two rows for 'mlflow_inference_ui_example' with 'stock_type' values of 'books' and 'books'. The 'output' column shows the model's response for the 'books' input. A red box highlights a '+' icon in the 'stock_type' column, with an arrow pointing to the text 'Try another input example'. Another red box highlights a 'Duplicate run' button in the 'output' column, with an arrow pointing to the text 'Compare another model'.

mlflow 2.7.0 Experiments Models GitHub Docs

mlflow_ui_example Provide Feedback Share

metrics.rmse < 1 and params.model = "tree" Time created State: Active Sort: Created + New run

Table Chart Evaluation Experimental

Run Name

mlflow_inference_ui_example (1)

mlflow_inference_ui_example

Table: eval_results_table.json

Filter by stock_type Group by: stock_type Compare: output

Run Name	output
mlflow_inference_ui_example	gpt-3.5-turbo
books	"Discover a world of knowledge at your fingertips with our vast collection of books, available at unbeatable prices - shop now and embark on a literary journey like no other!"

1868 ms, 61 total tokens

2 matching runs

Try another input example

Compare another model

Compare across models and prompts

Table: eval_results_table.json ⓘ		
Filter by stock_type		
Group by: stock_type		
Compare: output		
	output	
> stock_type	<p>● mlflow_inference_ui_example (2) ⓘ ▶ Evaluate all</p> <p>● mlflow_inference_ui_example ⓘ ▶ Evaluate all</p> <p>llama2-70b-chat</p> <p>gpt-3.5-turbo</p>	
+ coffee filters	<p>"Sip your way to a happier day with our premium coffee filters, delivering the perfect cup every time - order now and start your caffeine-fueled adventure!"</p> <p>2271 ms</p>	<p>"Upgrade your coffee brewing experience with our premium coffee filters, delivering the perfect cup every time - shop now!"</p> <p>1443 ms, 50 total tokens</p>
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