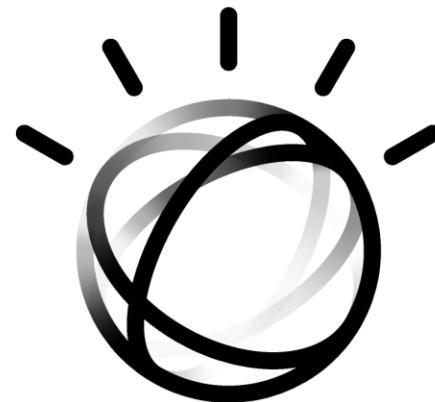


# Watsonx AI

cloud.ibm.com

STAT 5350/4350

11/5/2025

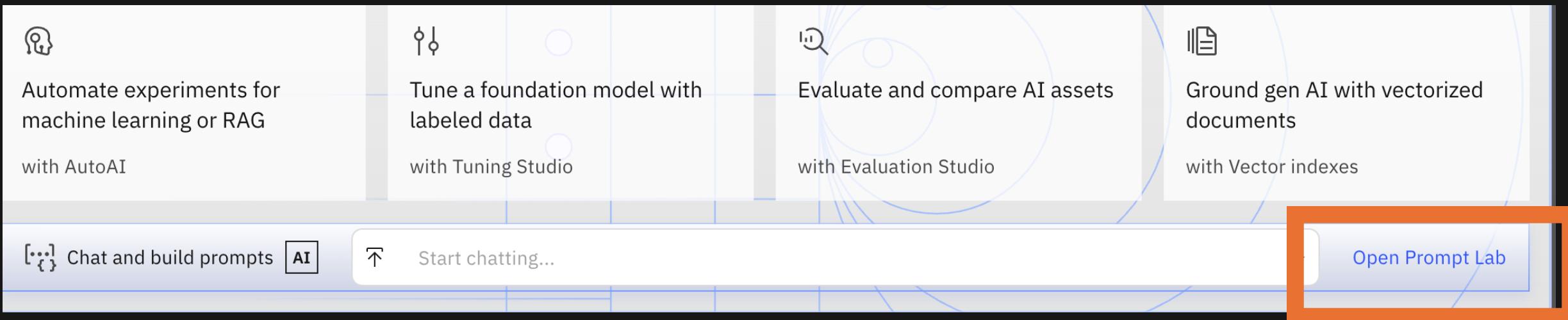


**IBM Watson®**

# Pre-reqs

- Watson Natural Language Understanding
- Watsonx-studio

# UI Tour



**Get started with a task**  
Select a task based on your goal.

# UI Tour

## Discover resources

- Find samples & other resources.
- Try a sample project to take a comprehensive tutorial.

### Resource hub

 Explore foundation models from IBM and other third-parties.  
[Explore foundation models →](#)

[...] Prompts →  
Data →  
Projects →  
Notebooks →  
Agents →  
[Explore samples →](#)

### Developer access i

Project or deployment space  
Project or deployment space ▾

Project ID  
00000000-0000-0000-0000-000000000000

watsonx.ai URL  
<https://us-south.ml.cloud.ibm.com>

Get started and make your first API request to inference a foundation model

[Create API key](#) +  
[Manage IBM Cloud API keys →](#)

### What's new

Migrate assets to inventories in watsonx.governance  
Oct 27, 2025 →

Parameter-efficient fine tuning methods are now available in the Toronto and Sydney regions  
Oct 23, 2025 →

Work with new deploy on demand models in watsonx.ai  
Oct 16, 2025 →

Work with the new text classification API in watsonx.ai on IBM Cloud  
Oct 15, 2025 →

# UI Tour

## Terms & Conditions

- Understand & agree to T&Cs.

## Welcome to Prompt Lab

**By using any foundation model provided with this Cloud Service, you acknowledge and understand that:**

- Some models included in the Cloud Service are Non-IBM Products. Review the applicable model details on the third party provider and license terms that apply.
- Models may generate outputs that contain misinformation, obscene or offensive language, or discriminatory content, Client should review the outputs for such information or content prior to re-use. Users should review and validate the outputs generated.
- The output generated by all models is provided to augment, not replace, human decision-making by the Client.

# UI Tour

## Main Capabilities

- Chat Type.
- Models Available
- Examples

Projects / Getting started with watsonx.governance / Prompt Lab

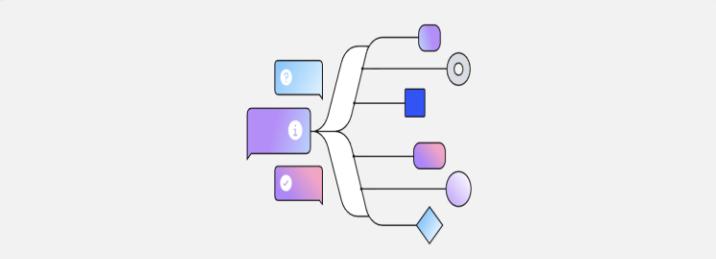
Chat Structured | Freeform

AI guardrails off Model: llama-3-3-70b-instruct

watsonx 06:04 AM

Customize your chat

Before you start chatting, you can update the current settings and ground the chat with documents or media files. To upload documents or other files, click next to the input field.



Sample questions

What are more efficient alternatives to a 'for loop' in Python? →

What is the Transformers architecture? →

Create a chart of the top NLP use-cases for foundation models. →

Describe generative AI using emojis. →

Type something...

# Lab - 1

## Structured prompt

- System prompt.
- Zero, one, few shot examples
- Try different models

Projects / Getting started with watsonx.governance / Prompt Lab

Chat Structured Freeform

AI Model: granite-3-8b-instruct

AI guardrails on

Untitled

Hint: This model works better when you provide at least 1 example.

Set up ^

Instruction (optional) (i)

Tell the model what to do. For example: Summarize the transcript.

Examples (optional) (i)

**Input:**  
Enter your example input here.

**Output:**  
Enter your desired output.

Add example +

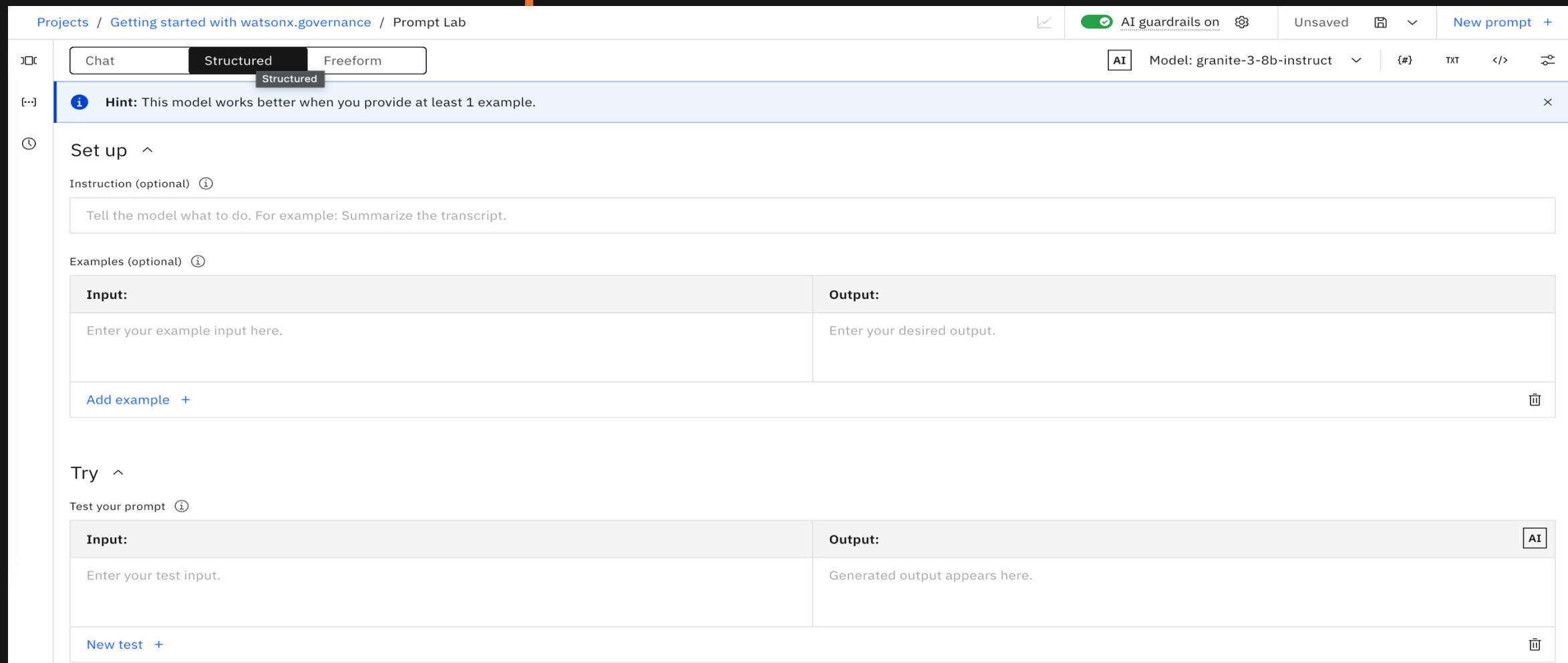
Try ^

Test your prompt (i)

**Input:**  
Enter your test input.

**Output:**  
Generated output appears here.

New test +



# Lab - 2

Save as:  
**Jupyter Notebook**

[...] Prompt Lab | Part of IBM watsonx.ai®

Prompt notebook

## Prompt Notebook with Chat - Prompt Lab Notebook v1.1.0

This notebook contains steps and code to demonstrate inferencing of prompts generated in Prompt Lab in watsonx.ai with a chat format. It introduces Python API commands for authentication using API key and prompt inferencing using WML API.

**Note:** Notebook code generated using Prompt Lab will execute successfully. If code is modified or reordered, there is no guarantee it will successfully execute. For details, see: [Saving your work in Prompt Lab as a notebook](#).

Some familiarity with Python is helpful. This notebook uses Python 3.10.

### Notebook goals

The learning goals of this notebook are:

- Defining a Python function for obtaining credentials from the IBM Cloud personal API key
- Defining parameters of the Model object
- Using the Model object to generate response using the defined model id, parameters and the prompt input