

# Start a JupyterLab Notebook instance

1. Click on the **Navigation Menu**.

2. Navigate to **AI Platform**, then to **Notebooks**.

## ARTIFICIAL INTELLIGENCE



Vertex AI



AI Platform



Data Labeling



Document AI



Natural Language



Recommendations AI



Retail



Tables



Talent Solution



Translation



Video Intelligence



Vision



Visual Inspection AI



Dashboard

Data Labeling

Notebooks

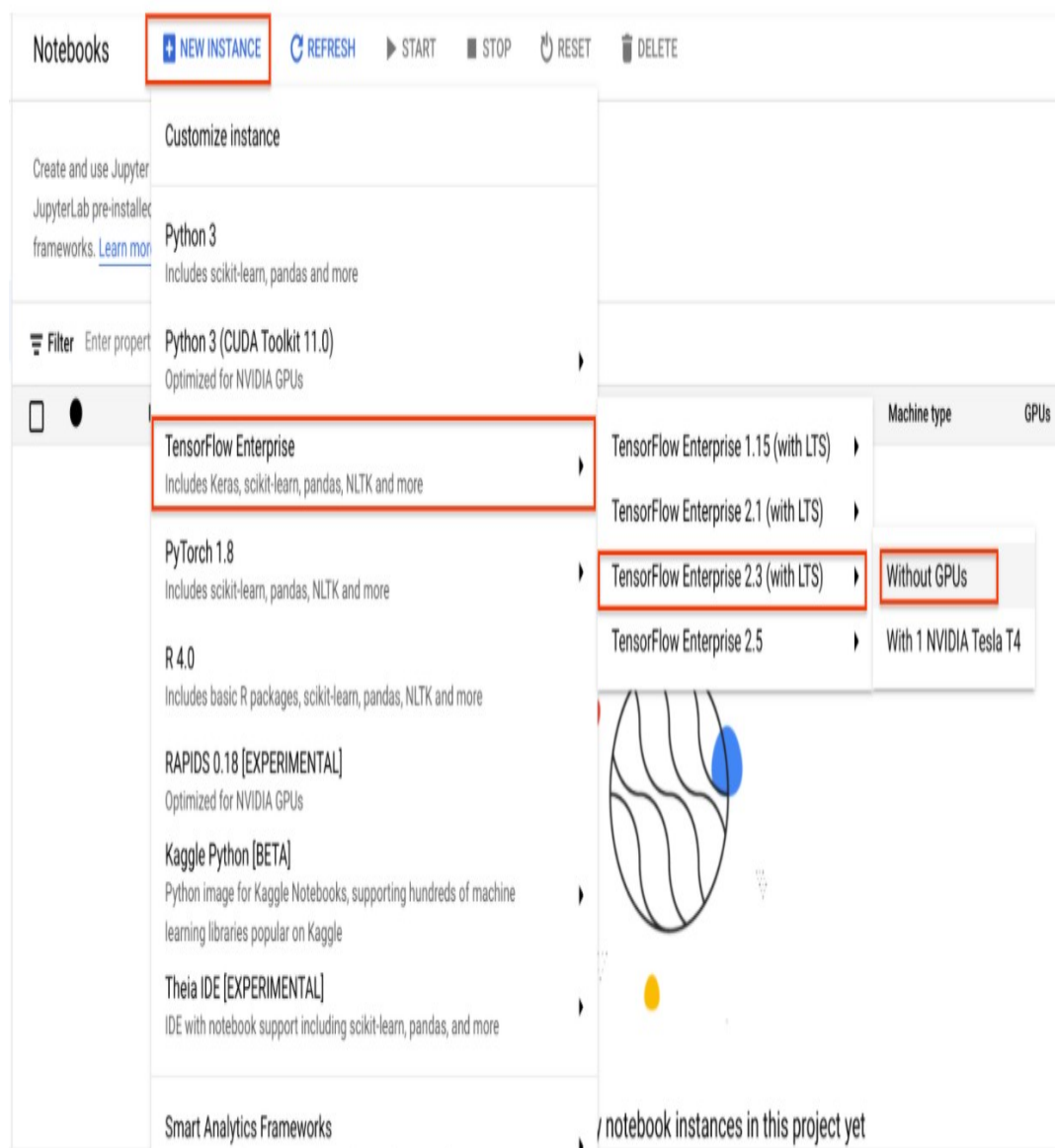
Pipelines

Jobs

Models

3. On the Notebook instances page, click **New Instance**.

4. In the Customize instance menu, select **TensorFlow Enterprise** and choose the version of **TensorFlow Enterprise 2.3 (with LTS) > Without GPUs**.



5. In the **New notebook instance** dialog, for **Region**, select us-central1, for **Zone**, select a zone within the selected region, leave all other fields with their default options, and click **Create**. .  
After a few minutes, the AI Platform console will display your instance name, followed by Open Jupyterlab.

6. Click **Open JupyterLab**. Your notebook is now set up.

Click Check my progress to verify the objective.

*Assessment Completed!*

## Clone the sample code

To clone the training-data-analyst notebook in your JupyterLab instance:

1. In JupyterLab, click the **Terminal** icon to open a new terminal.



Notebook



Python 3



Python [conda  
env:root] \*



Console



Python 3



Python [conda  
env:root] \*



Other



Terminal



Text File



Markdown File



Show Contextual  
Help

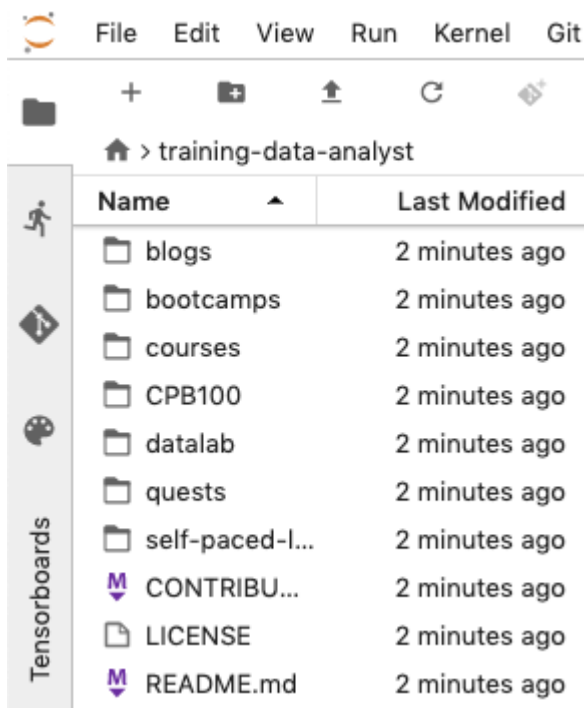
2.To install specific versions of XGBoost and SciKit-Learn on your TF instance, type in the following command, and press **Enter**.

```
pip3 install xgboost==0.82 --user  
pip3 install scikit-learn==0.20.4 --user  
content_copy
```

3.To clone the training-data-analyst repo, type in the following command, and press **Enter**.

```
git clone https://github.com/GoogleCloudPlatform/training-data-analyst  
content_copy
```

4.To confirm that you have cloned the repository, double-click the training-data-analyst directory and confirm that you can see its contents. The files for all the Jupyter notebook-based labs throughout this course are available in this directory.



Click Check my progress to verify the objective.

*Assessment Completed!*

## Access your environment

1. Navigate to **training-data-analyst > quests > dei > census**, and open **income\_xgboost.ipynb**.

2. Skip the first cell, because you already installed XGBoost.

3. Continue the lab in the notebook, and run each cell by clicking the **Run ( ▶ )** icon at the top of the screen. Alternatively, you can execute the code in a cell with **SHIFT + ENTER**.

Read the narrative and make sure you understand what's happening in each cell.

Click [Check my progress](#) to verify the objective.

*Please deploy the model with version 'original' in JupyterLab notebook.*

# Congratulations!