

Effort: 20 mins

Objective

In this lab, you will learn:

0. Import a Jupyter notebook in a Watson Studio Project
1. Perform the tasks in the Jupyter notebook

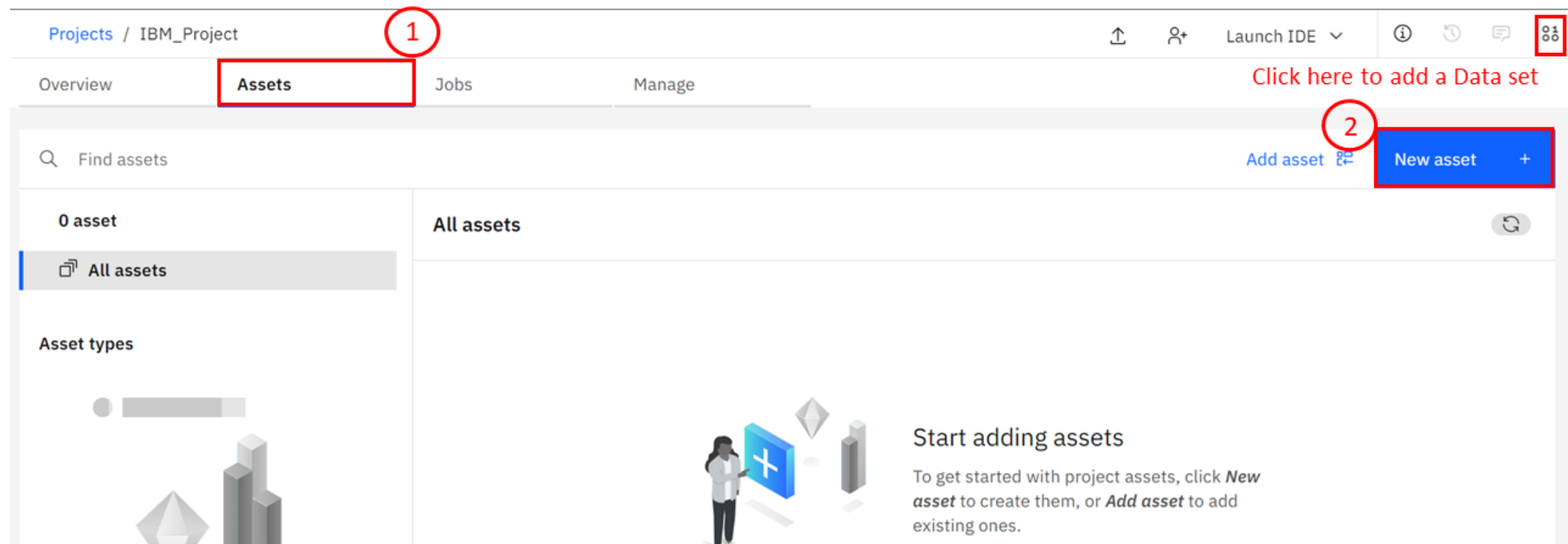


Pre-requisite: IBM Watson Setup

If you have not created a Watson service and added a project in it, before proceeding with this lab please ensure you complete the previous lab: https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-PY0101EN-SkillsNetwork/labs/FinalModule_Coursera/IBM_Cloud_and_Watson_Setup.md.html

Step 1: Adding a Notebook to the Project:

You need to add a Notebook to your project. Click on **Assets** > **New asset**.

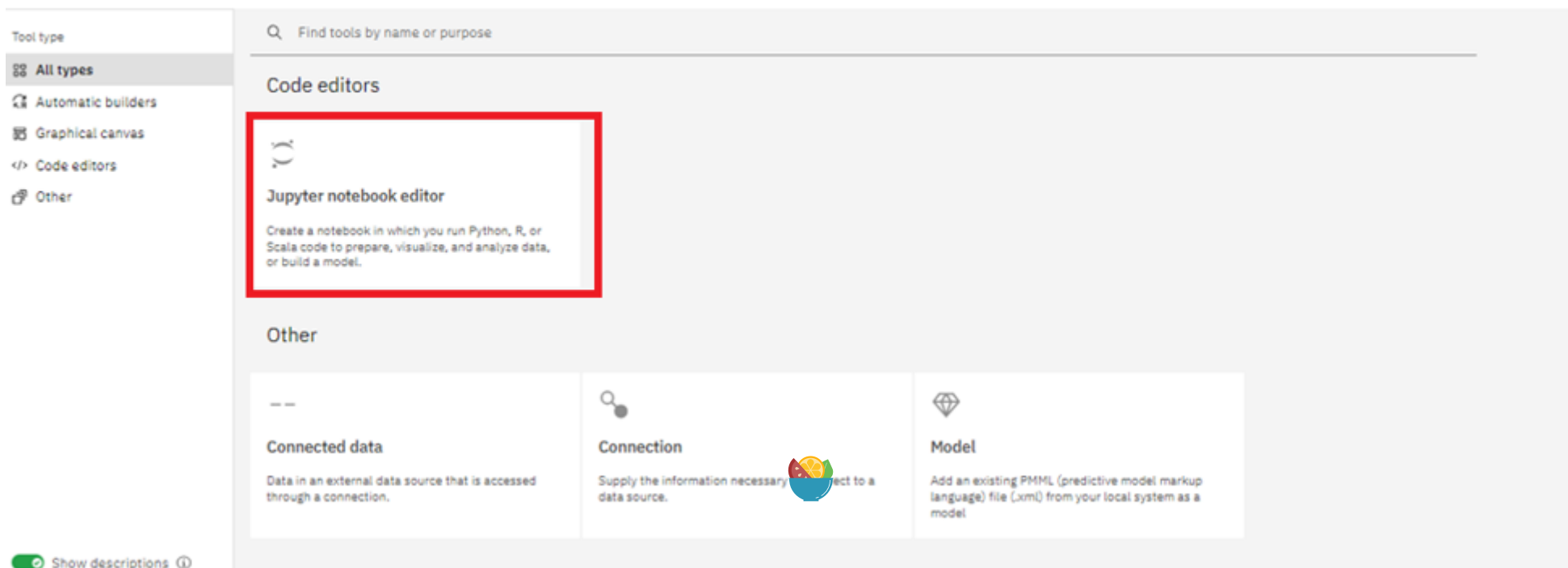


The screenshot shows the IBM Watson Studio interface for a project named 'IBM_Project'. The 'Assets' tab is selected, indicated by a red box and a circled '1'. In the top right corner, there is a button labeled 'New asset' with a plus sign, which is also highlighted with a red box and a circled '2'. A red arrow points to this button with the text 'Click here to add a Data set'. The main area of the 'Assets' tab shows '0 asset' and 'All assets' sections. The 'All assets' section contains a message: 'Start adding assets. To get started with project assets, click **New asset** to create them, or **Add asset** to add existing ones.'

Scroll down and select **Jupyter Notebook Editor**:

Add to project

Select the tool to create an operational or configuration asset.



Note: Select the default Python as selected language.

On the New Notebook page, enter a name for the notebook, and then click From URL.

Paste the URL you copied from the previous reading in the course into the **Notebook URL** box, and then click **Create Notebook**.

New notebook

Blank From file **From URL**

Name

Final_Assignment

Description (optional)

Type your description here

Select runtime

IBM Runtime 22.1 on Python 3.9 XXS (1 vCPU 4 GB RAM)

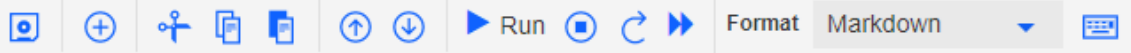
The selected runtime has 1 vCPU and 4 GB RAM.
It consumes 0.5 capacity units per hour.
[Learn more](#) about capacity unit hours and Watson Studio pricing plans.

Notebook URL

https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBM-D/

Cancel Create

You will see a Notebook like this (the actual notebook may be different from the one shown in the screenshot below):



Description



Extracting essential data from a dataset and displaying it is a necessary part of data science; therefore individuals can make correct decisions based on the data. In this assignment, you will extract some stock data, you will then display this data in a graph.

- Define a Function that Makes a Graph
- Question 1: Use yfinance to Extract Stock Data
- Question 2: Use Web scraping to Extract Tesla Revenue Data

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| Date | Version | Changed by | Change Description |
|------------|---------|---------------|---|
| 2022-04-05 | 2.5 | Malika Singla | Updated the screenshot |
| 2022-02-22 | 2.4 | Hema | Updated screenshots |
| 2021-01-25 | 2.3 | Rav Ahuja | Forked from original and removed hard coded notebook link |
| 2020-11-18 | 2.2 | Malika Singla | Updated the screenshot |
| 2020-10-05 | 2.1 | Malika Singla | Updated the Effort and Objective |
| 2020-09-05 | 2.0 | Malika Singla | Updated the screenshot |