

Effort: 20 mins

## Objective

In this lab, you will learn:

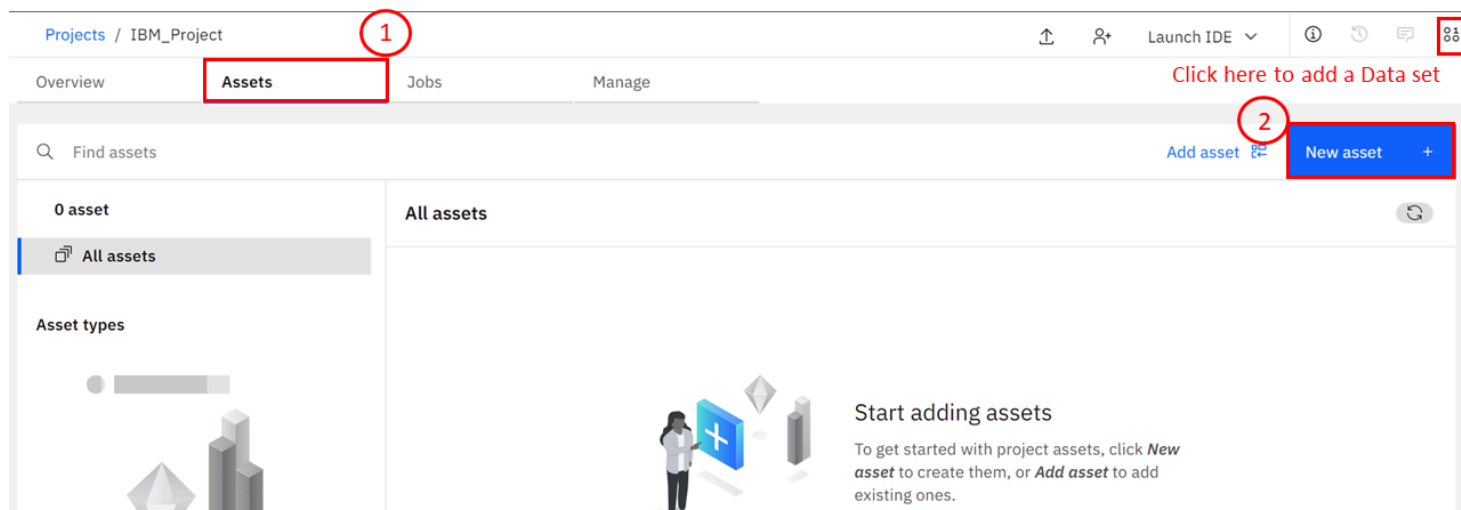
0. Import a Jupyter notebook in a Watson Studio Project
1. Perform the tasks in the Jupyter notebook

## (Optional) 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](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**.



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

## Add to project

Select the tool to create an operational or configuration asset.

Tool type

- All types
- Automatic builders
- Graphical canvas
- Code editors
- Other

Find tools by name or purpose

### Code editors

#### Jupyter notebook editor

Create a notebook in which you run Python, R, or Scala code to prepare, visualize, and analyze data, or build a model.

### Other

#### Connected data

Data in an external data source that is accessed through a connection.

#### Connection

Supply the information necessary to connect to a data source.

#### Model

Add an existing PMML (predictive model markup language) file (.xml) from your local system as a model.

Show descriptions ⓘ

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):

Projects / Project\_PDS / Project\_PDS

File Edit View Insert Cell Kernel Help

Format Markdown

Skills Network

Extracting and Visualizing Stock Data

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.

Table of Contents

- 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

Author(s)

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Change log

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