

Effort: 30 mins

Objective:

In this reading, you will learn the necessary background knowledge in order for you to be able to complete the final project of this course.

- Importing the Notebook in Watson Studio
- Apply data analysis and modeling techniques to housing price data.

Pre-requisite:

You need an IBM Cloud account to create a project in Watson Studio. If you don't have an account created already, click and open this <u>link</u> and follow the instructions, to create an IBM Cloud account.

IBM Watson Setup

If you have not created a Watson service before proceed with Step 1, otherwise go to Step 2:

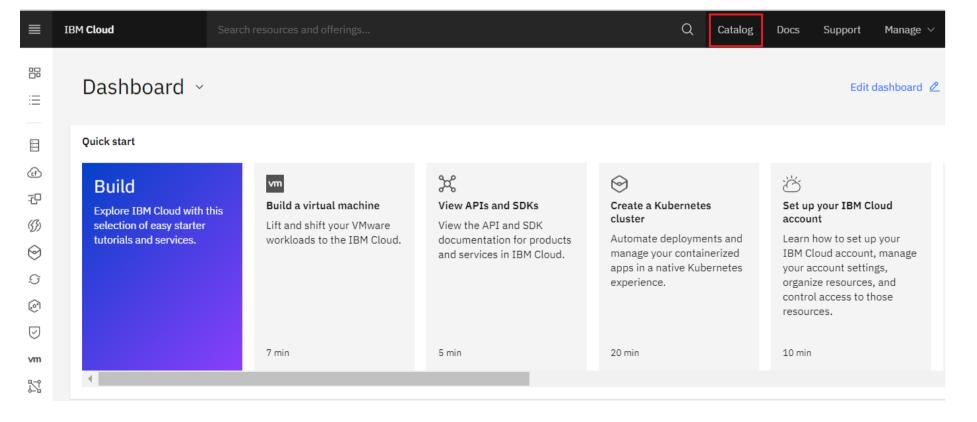
Step 1: For New Users (with no Watson service):

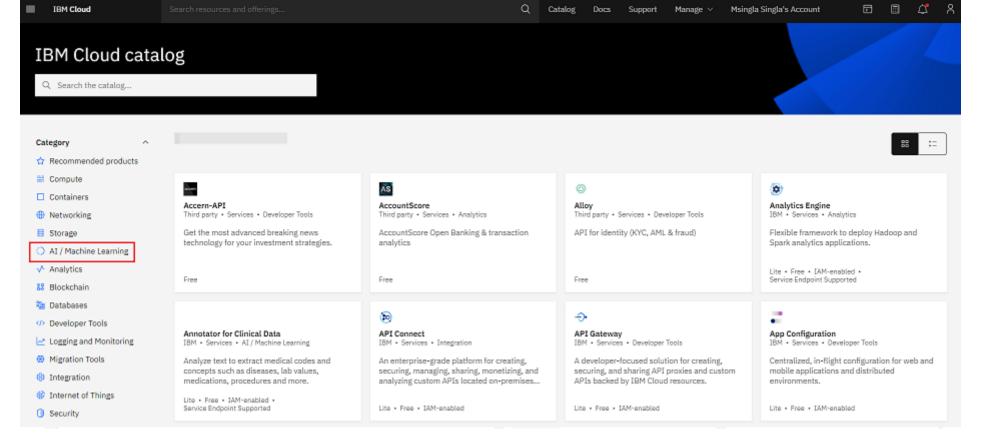
For this project, you will use your IBM Watson Studio account from the previous chapter.

Login to your IBM cloud account:

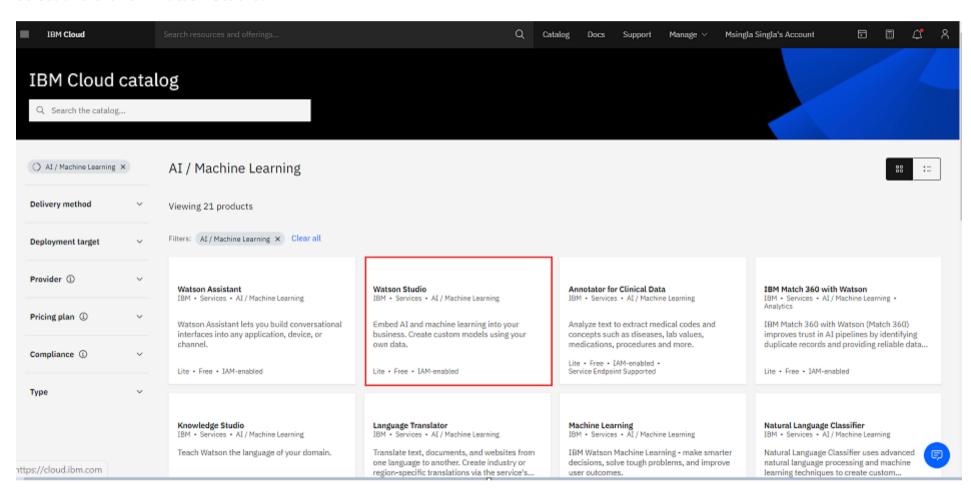
Click here

You will see the screen in the figure below. Click on Catalog.

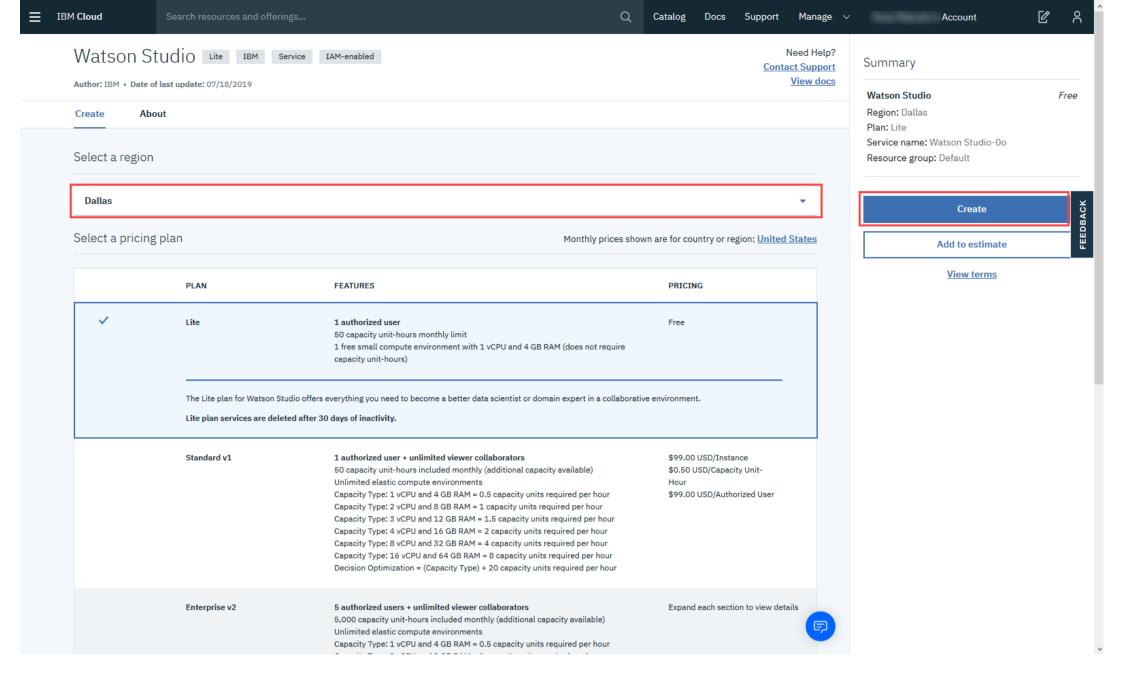




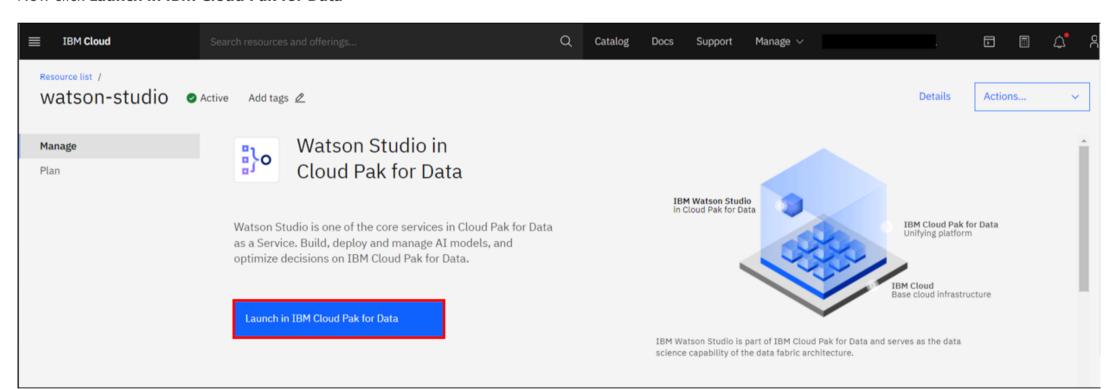
Select and click on Watson Studio.



To create a Watson service using the Lite plan, click **Create.**



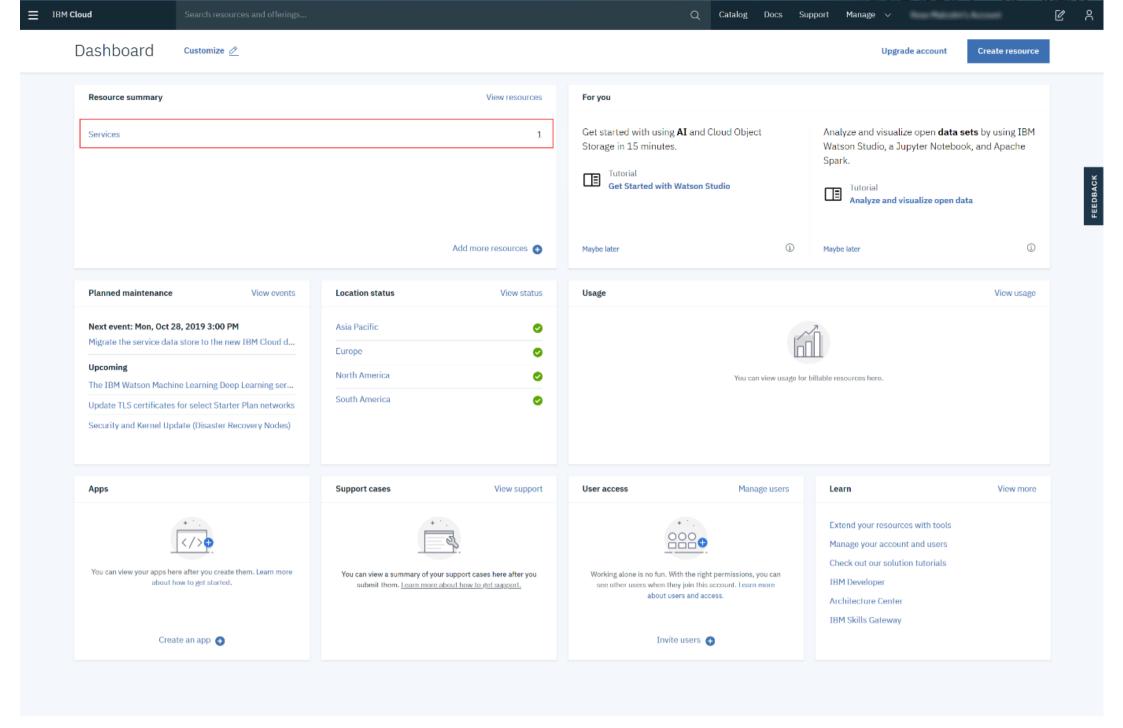
Now click Launch in IBM Cloud Pak for Data



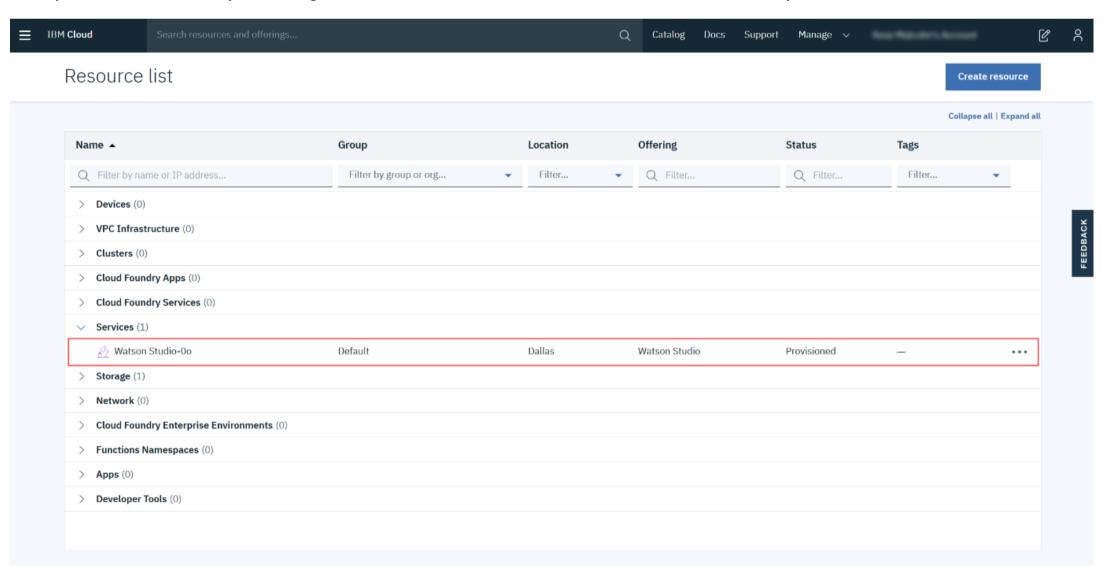
After creating the service continue with **Step 2.**

Step 2: For Existing Users (who already have Watson Service):

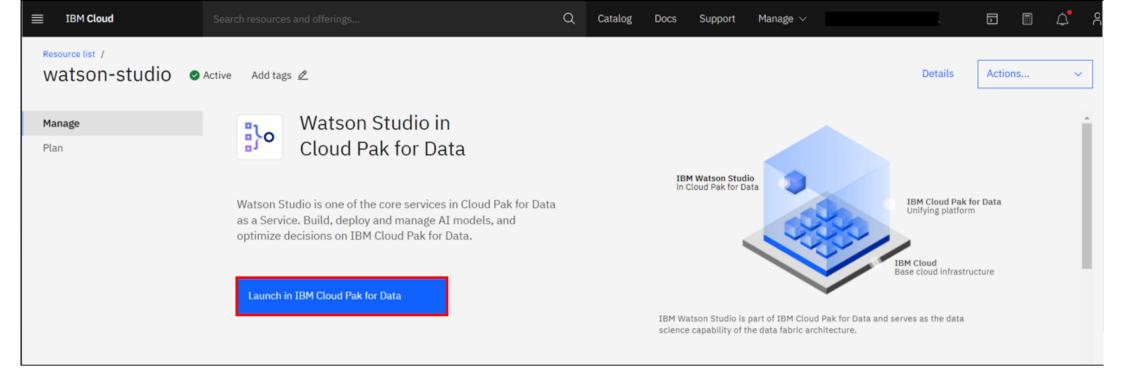
Go to the IBM Cloud Dashboard and click Services.



When you click on Services, all your existing services will be shown in the list. Click the Watson Studio service you created:



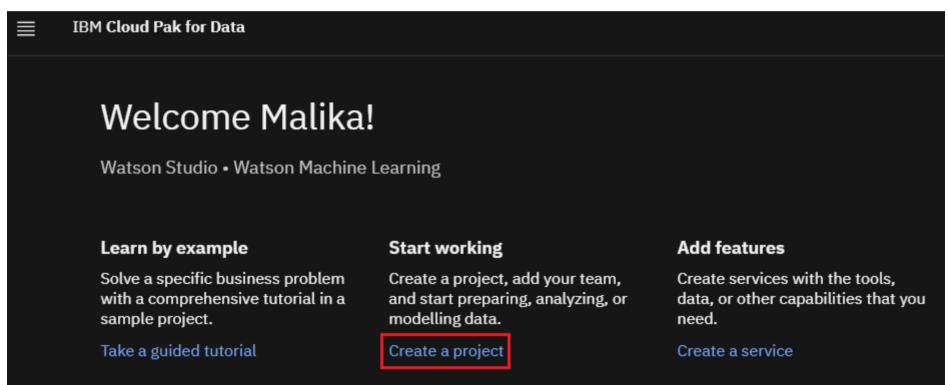
Then click Launch in IBM Cloud Pak for Data

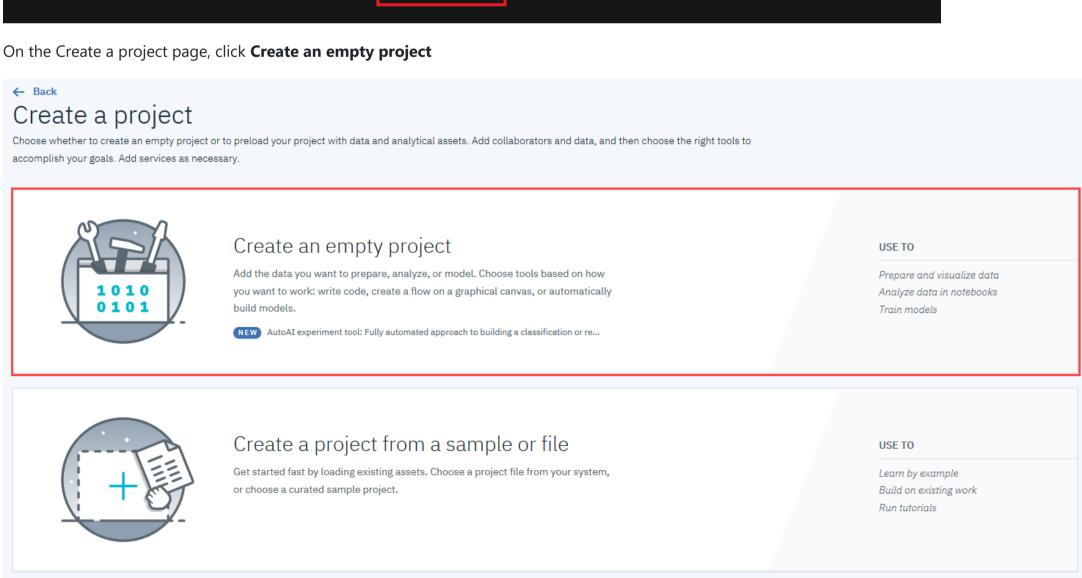


Step 3: Creating a Project

Now you have to Create a project.

Click on **Create a project:**





Provide a **Project Name** and **Description**, as shown below:

Define storage

Select storage service

Add

Add an object storage instance and then return to this page and click

2 Refresh

Cancel

Create

You must also create storage for the project.

Click **Add**

New project

Define project details

Name

Project name

Description

Project description

Choose project options

Restrict who can be a collaborator

Project will include integration with Cloud Object Storage for storing project assets.

Define storage

1 Select storage service

Add

Add an object storage instance and then return to this page and click Refresh.

2 Refresh

Cancel



you to reduce costs even further with our lowest priced Archive storage.

Cloud Object Storage

Existing

Cloud Object Storage

IBM Cloud Object Storage is a highly scalable cloud storage service, designed for high durability, resiliency and security. Store, manage and access your data via our self-service portal and RESTful APIs. Connect applications directly to Cloud Object Storage use other IBM Cloud Services with your data.

Features

Storage for the IBM Cloud

IBM Cloud Object Storage provides unstructured data storage for cloud applications. Libraries and SDKs support a common set of S3 API functions for connecting data over long distances, and under various new applications to scalable cloud storage and entwork conditions. It is natively integrated integrating your data into other services on the into Cloud Object Storage and there is no IBM Cloud Platform as well as IBM Watson services. IBM Cloud Object Storage is available with Regional, Cross Region and single site resiliency options worldwide.

Built-in Aspera high-speed transfer With IBM Cloud Object Storage Aspera highspeed data transfer, you can improve data transfer performance by quickly transferring

Choose storage classes based on your usage patterns for active, less-active, and cold workloads with Standard, Vault, and Cold Vault respectively. Use Flex class for dynamic data access with usage patterns that are hard to term retention, simply set an Archive policy additional cost for uploading data. with our existing storage-class tiers allowing

Storage Classes and Archive Policy Access and Key Management

IBM Identity and Access Management (IAM) policies allow for granular access control at the bucket level using role-based policies. Key Protect support allows customers to have their own managed encryption keys for higher level predict. For rarely used data that requires long- data security.

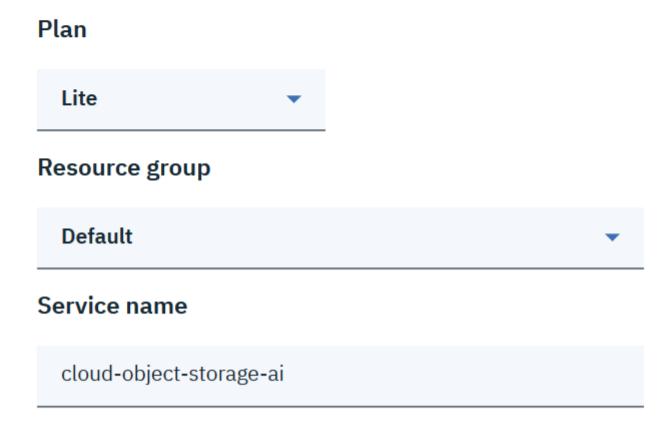
Pricing Plan: Monthly Process shown above reflect the: United States

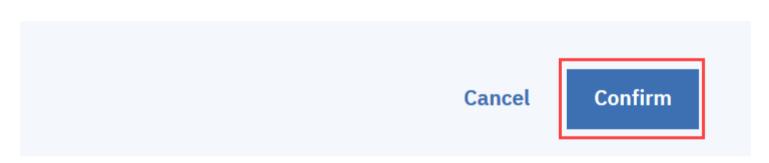


In the Confirm Creation box, click **Confirm.**

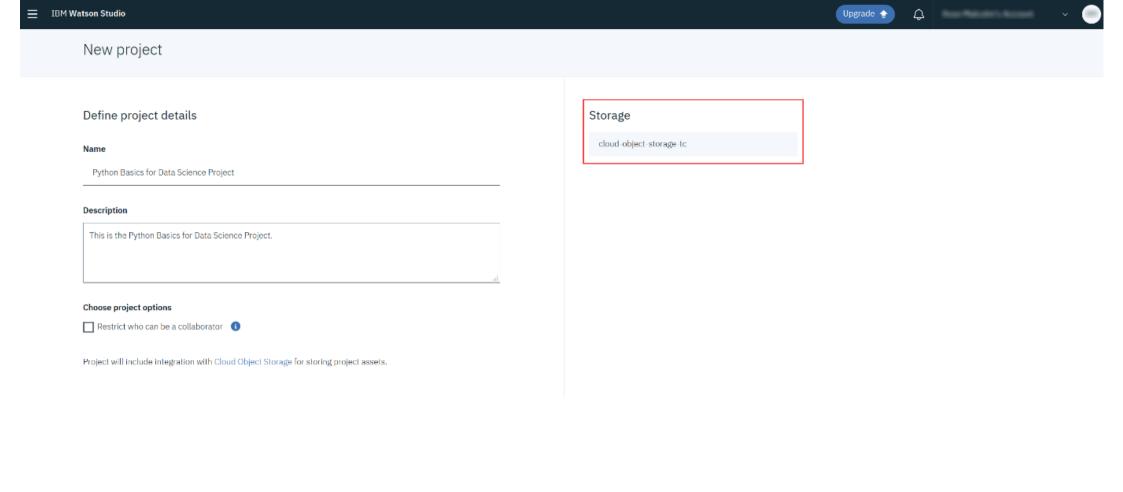


Confirm Creation





On the New project page, note that the storage has been added, and then click **Create.**

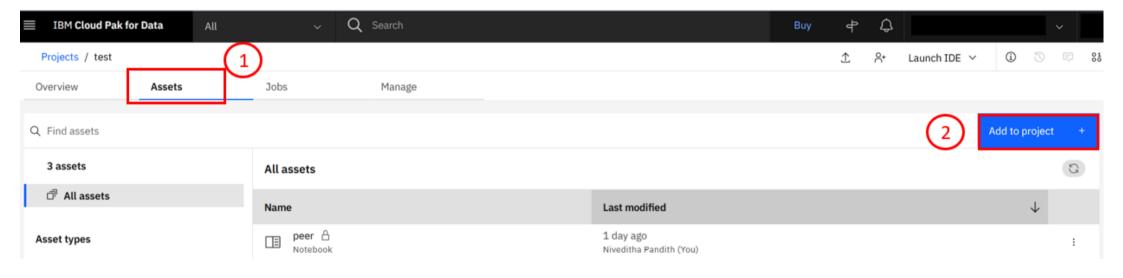


After creating the project continue with Step 3.

Step 3: Adding a Notebook to the Project:

You need to add a Notebook to your project.

Click on **Assets** and then click on **Add to project.**



In the list of asset types, click **Jupyter Notebook Editor:**

Add to project

Select the tool to create an operational or configuration asset.

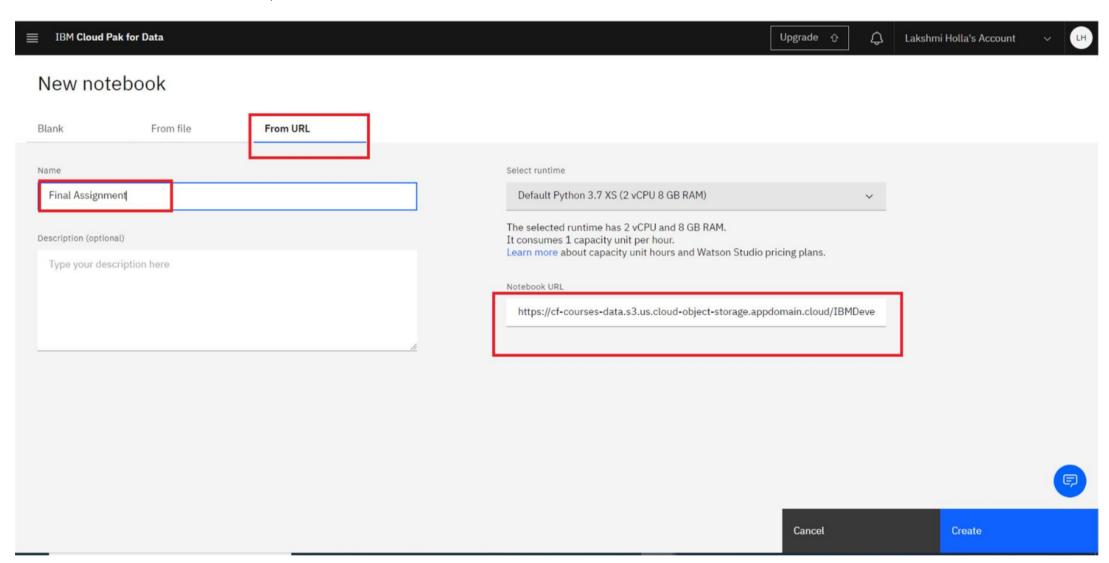


Note: Select the default Python as selected language.

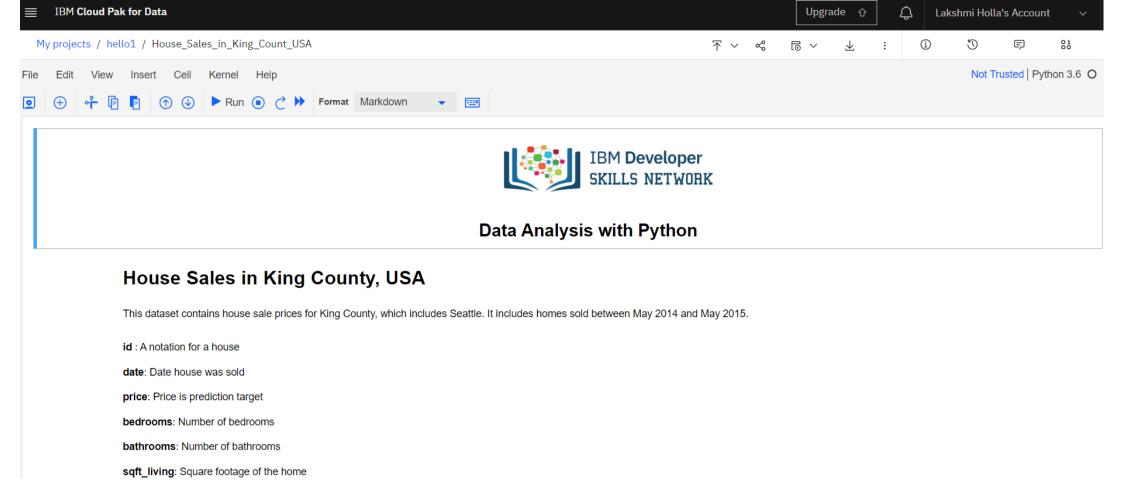
On the New Notebook page, enter a name for the notebook, and then click From URL.

Copy this link: https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-DA0101EN-SkillsNetwork/labs/FinalModule Coursera/House Sales in King Count USA.ipynb

Paste it into the **Notebook URL** box, and then click **Create Notebook**.



You will see this Notebook:



Author(s)

Joseph Santarcangelo

Change log

Date	Version	Changed by	Change Description
2022-02-18	2.6	Niveditha	Updated Watson Studio screenshots
2021-10-19	2.5	Lakshmi Holla	Modified objectives
2021-10-13	2.4	Lakshmi Holla	Updated adding cloud instructions
2021-08-19	2.3	Malika Singla	Updated Watson screenshots
2021-07-20	2.2	Malika Singla	Updated link
2020-11-18	2.1	Lakshmi Holla	Updated the screenshot
2020-09-05	2.0	Malika Singla	Updated the screenshot

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