

IBM Watson Studio Setup

by [Malika Goyal](#), [Srishti Srivastava](#)

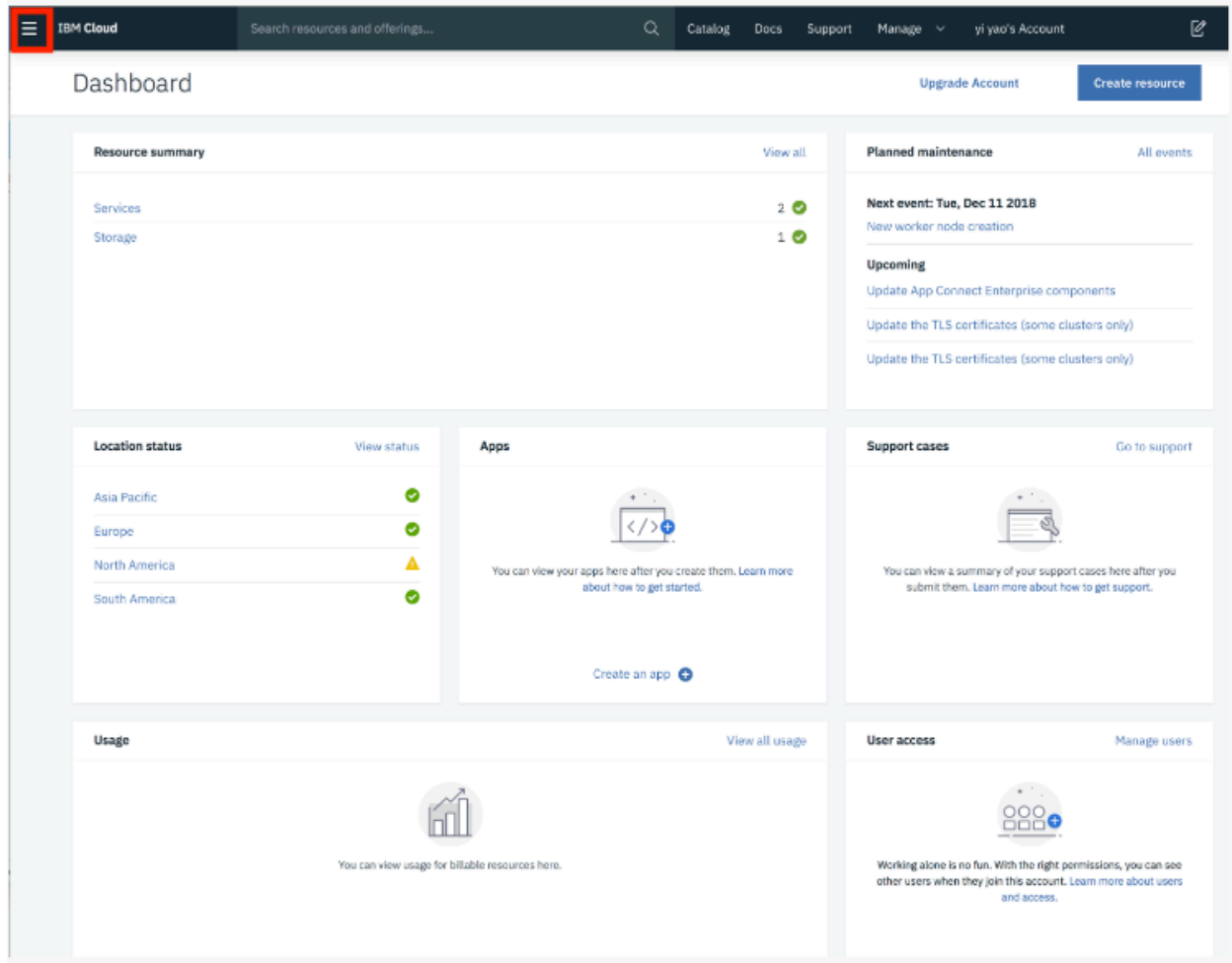
Note: if the interface for Watson Studio has changed, please post a question in the form, we are working on updating this document.

For this project, you will use IBM Watson Studio from the previous chapter. Once you [Sign-in](#) and press proceed you will see the screen on the figure below, click on the icon in the red box:

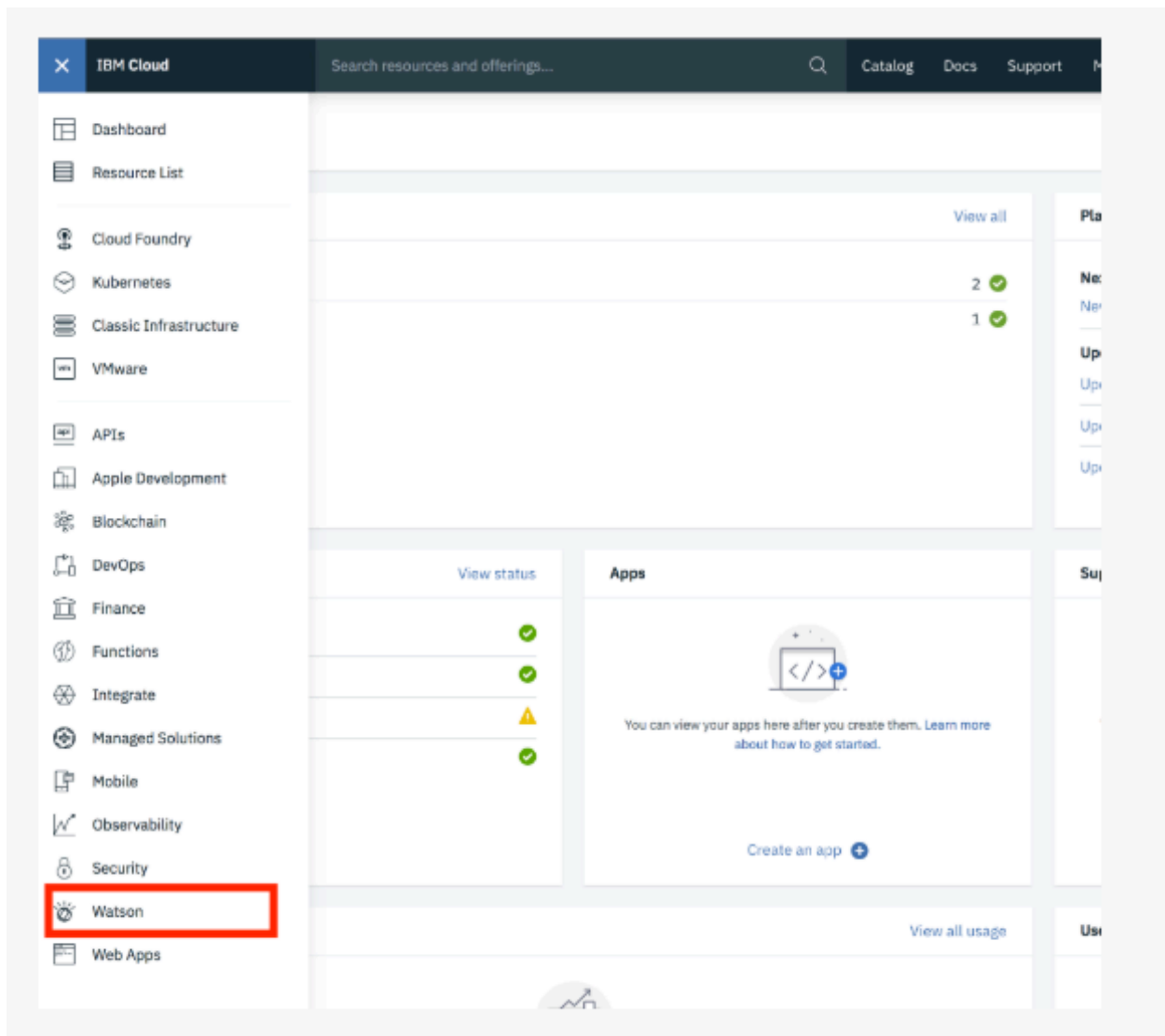
If you have not created a Watson service before go to step 1 else go to step 2:

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

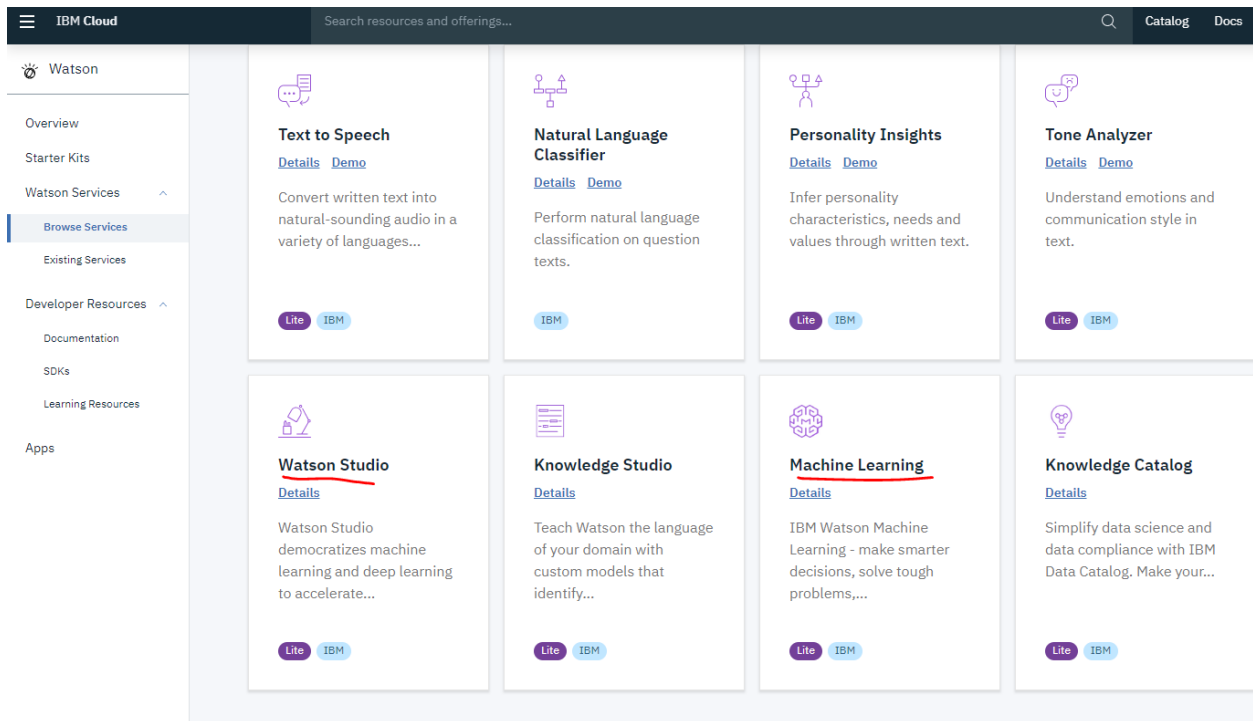
For this project, you will use IBM Watson Studio from the previous chapter. Once you [Sign-in](#) and press proceed you will see the screen on the figure below, click on the icon in the red box:



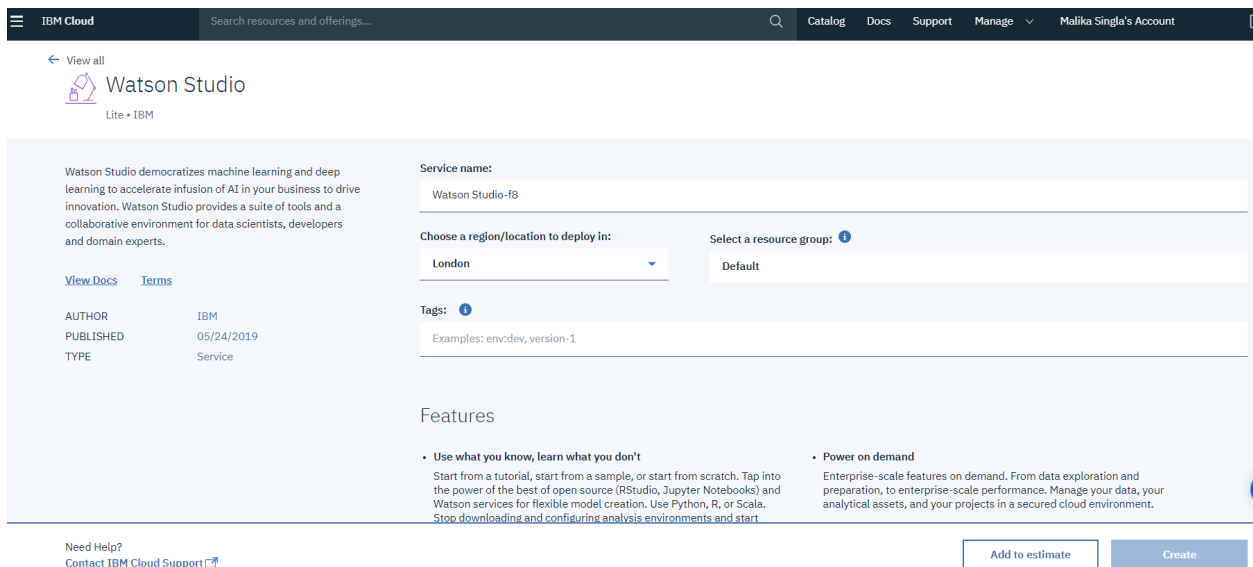
Then click on "Watson", the link is in the red as shown below:



Then click on "Browse Services" and as you scroll down, there is an option "Watson Studio Lite".



Fill the necessary details to create a “Watson service” using the Lite plan and click “Create”.



After creating a service continue from Step 2.

Step 2: For Existing User (already having Watson Service):Go to IBM Cloud Dashboard and click “Services”.

IBM Cloud

Search resources and offerings...

[Catalog](#)
[Docs](#)
[Support](#)
[Manage](#)

Dashboard

Resource summary
[View resources](#)

Cloud Foundry Services	1
Services	3
Storage	1

[Add more resources](#)

Location status
[View status](#)

Apps

Plans

Next

[PLAN](#)

Upcoming

[PLAN](#)

[PLAN](#)

[PLAN](#)

Support

As you click on "Services", all the created services will be shown in the list as:

IBM Cloud

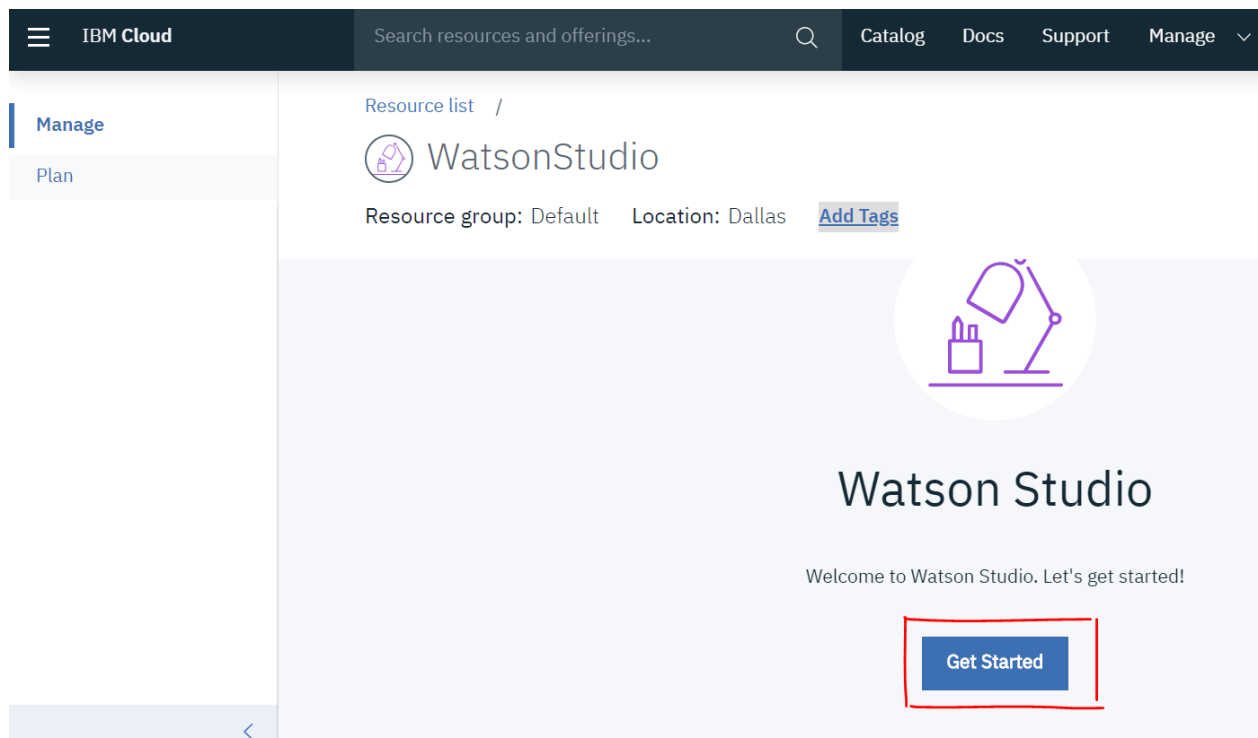
Search resources and offerings...

[Catalog](#)
[Docs](#)
[Support](#)
[Manage](#)

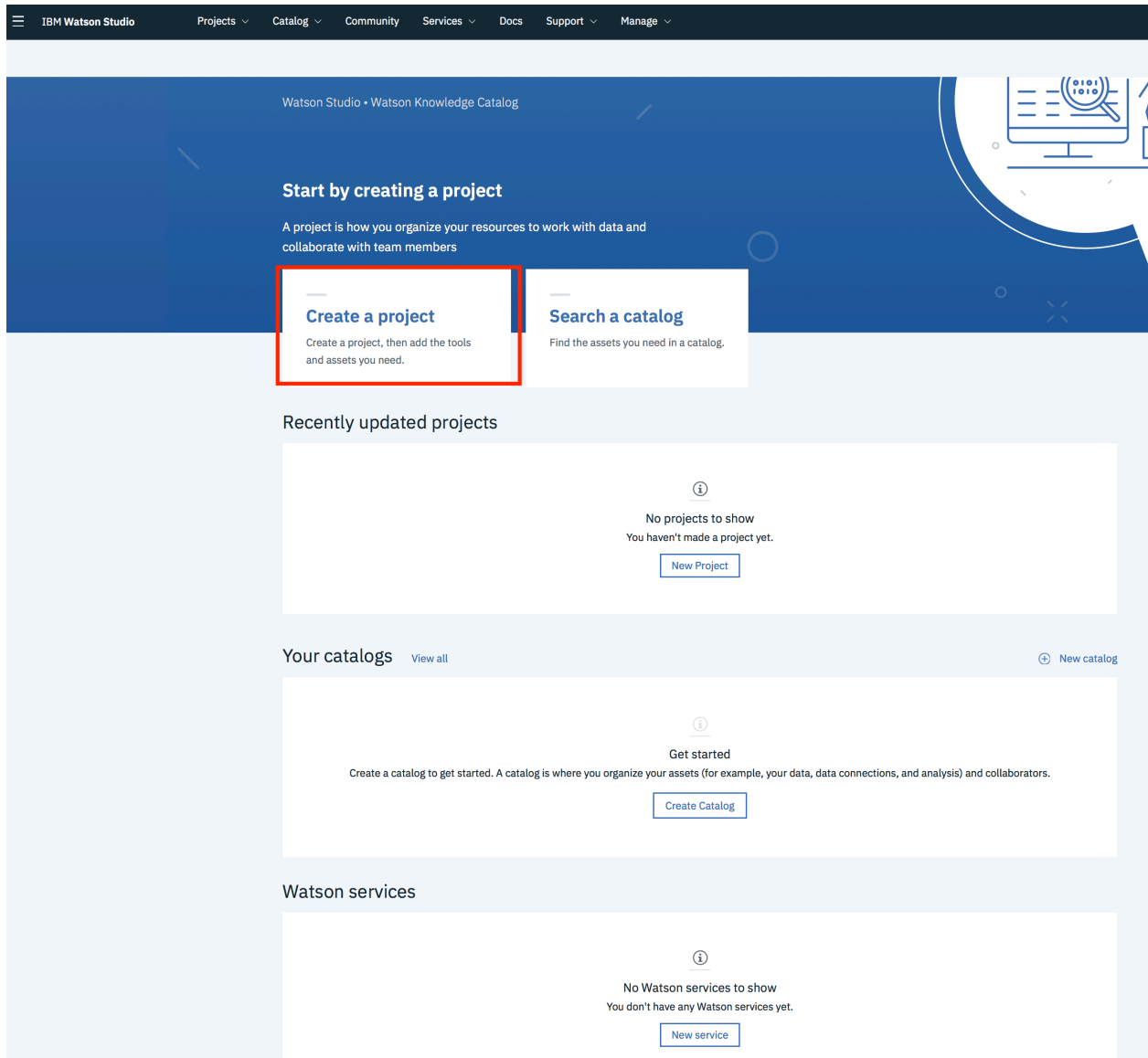
Resource list

Name ▲	Group	Location	Status
Filter by name or IP address...	Filter by group or org...	Filter...	Filter...
> Kubernetes Clusters (0)			
> Cloud Foundry Apps (0)			
> Cloud Foundry Services (1)			
▼ Services (3)			
WatsonStudio	Default	Dallas	Provisioned
pm-20-dsx	Default	Dallas	Provisioned
watson-vision-combined-sm	Default	Dallas	Provisioned
> Storage (1)			

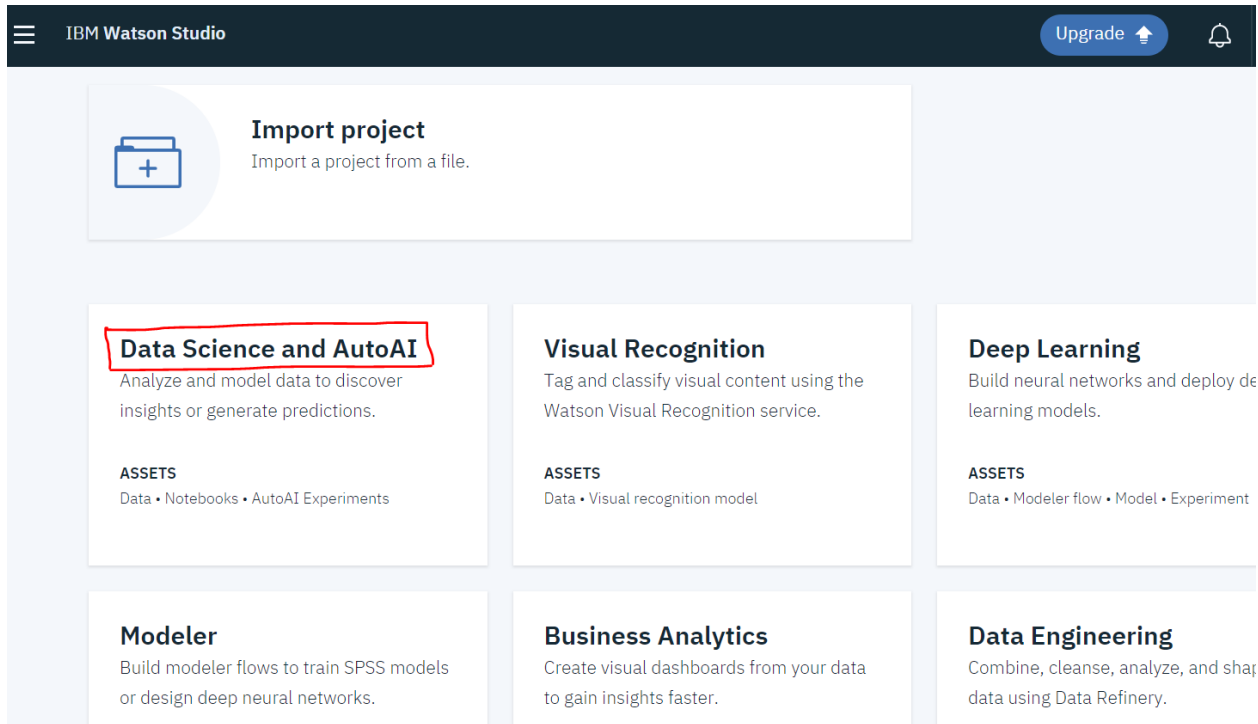
Click on the service you have created and select "Get Started".



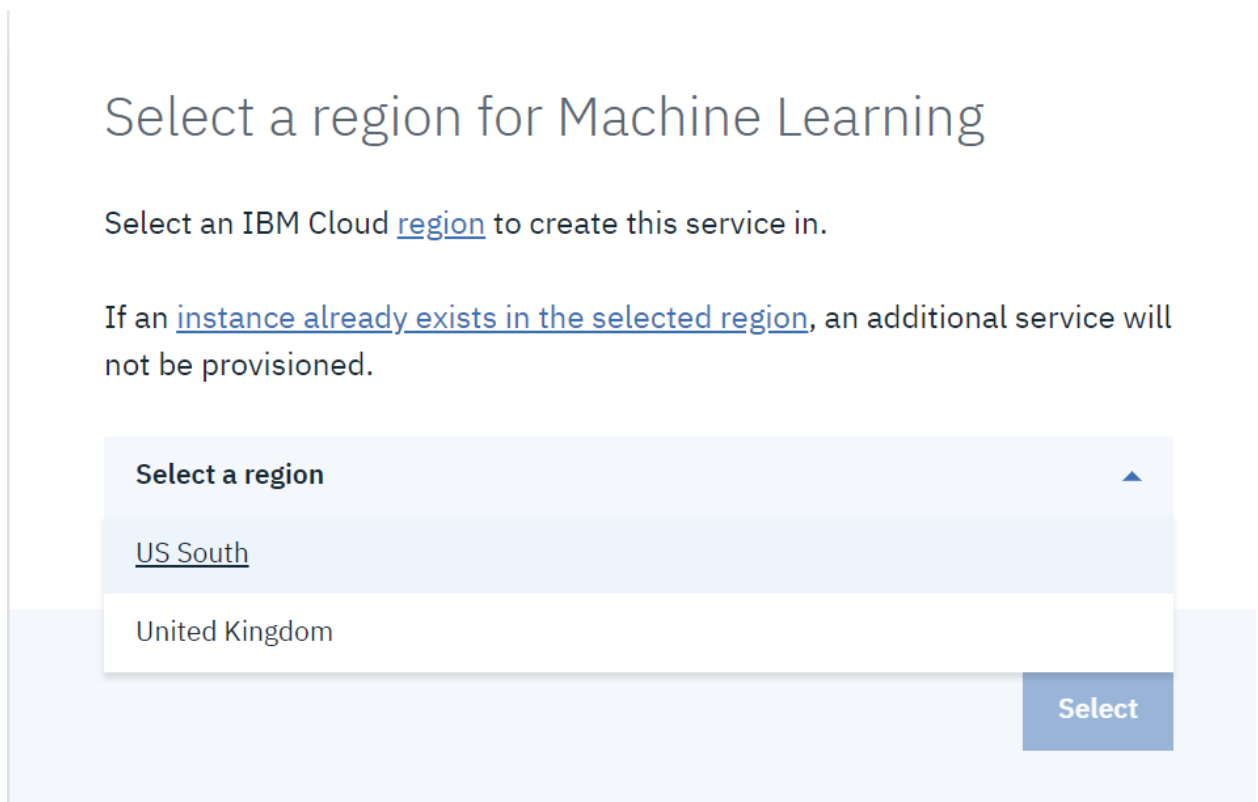
Now you have to Create a project, click on the Create a project:



you will see the screen below, select Data Science and AutoAI:



Select a Region™



You will then perform the following steps, labeled with the corresponding figure :

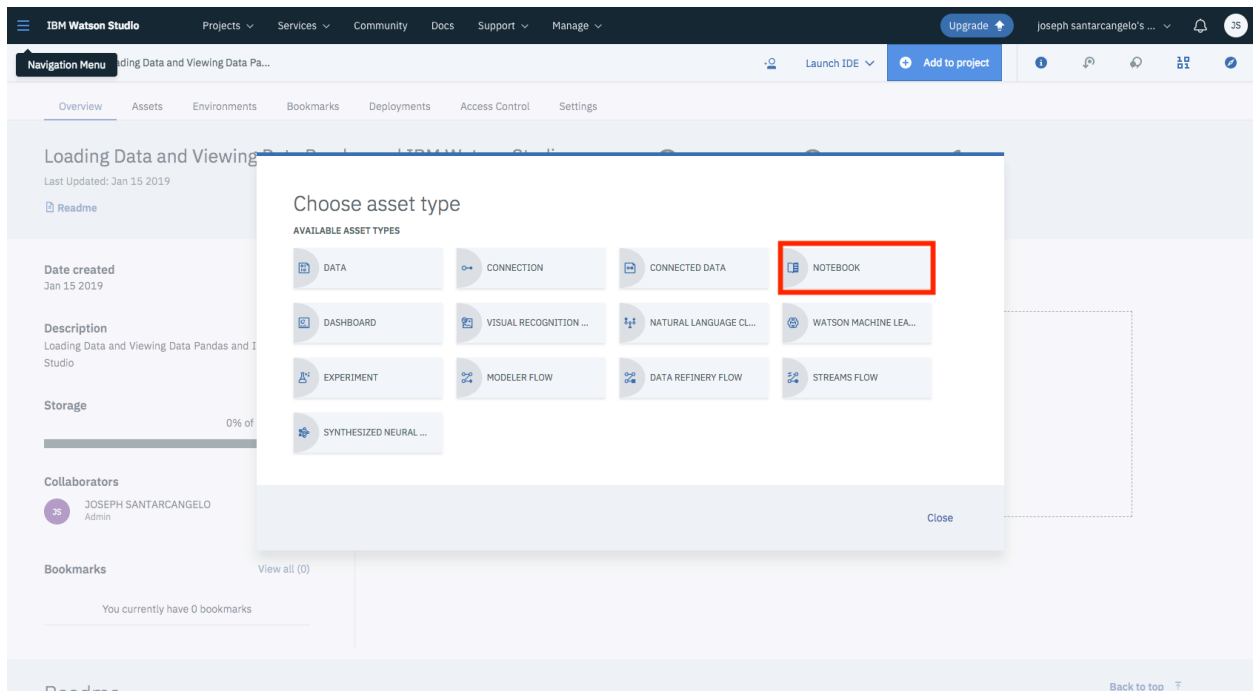
- 1) Provide a Project name
- 2) Provide a Project description
- 3) Click Create

The screenshot shows the 'New project' form in IBM Watson Studio. The form is titled 'New project' and has a dark header bar with the IBM Watson Studio logo, an 'Upgrade' button, a notification bell, and a user profile dropdown for 'joseph santarcangelo's ...'. The form is divided into three sections: 'Define project details', 'Choose project options', and a bottom section with 'Cancel' and 'Create' buttons. In the 'Define project details' section, there are two numbered steps: 1) 'Name' with the text 'Python Basics for Data Science Project' and 2) 'Description' with the text 'This is the Python Basics for Data Science Project'. In the 'Choose project options' section, there is a checkbox labeled 'Restrict who can be a collaborator' which is unchecked. A green '3)' is visible on the right side of the form.

You should see the following image, click Add to project.

The screenshot shows the IBM Watson Studio project page for 'Loading Data and Viewing Data Pandas and IBM Watson Studio'. The page has a dark header bar with the IBM Watson Studio logo, navigation links (Projects, Services, Community, Docs, Support, Manage), an 'Upgrade' button, a notification bell, and a user profile dropdown for 'joseph santarcangelo's ...'. Below the header bar is a 'Navigation Menu' with links to Overview, Assets, Environments, Bookmarks, Deployments, Access Control, and Settings. The main content area shows the project name 'Loading Data and Viewing Data Pandas and IBM Watson Studio', the last updated date 'Jan 15 2019', and a 'Readme' link. To the right of the project name are three statistics: 1 Asset, 0 Bookmarks, and 1 Collaborator. Below the statistics is a 'Recent activity' section with a placeholder for alerts. On the left side of the page, there is a sidebar with sections for 'Date created' (Jan 15 2019), 'Description' (Loading Data and Viewing Data Pandas and IBM Watson Studio), 'Storage' (0.0% of 25 GB used), 'Collaborators' (JOSEPH SANTARCANGELO, Admin, View all (1)), and 'Bookmarks' (You currently have 0 bookmarks, View all (0)). A 'Back to top' link is visible at the bottom right of the page.

You will see the following screen, in the menu is shown Select Notebook:



Then the following screen will appear, select from the file. To upload the Jupyter notebook select "from URL", and paste the link [here](https://cocl.us/course_notebook_project) into Notebook URL*, then click on Create Notebook.

The screenshot shows the "New notebook" form in IBM Watson Studio. At the top, there are three tabs: "Blank", "From file", and "From URL" (which is selected and highlighted with a red box). Below the tabs, there are three main input fields: "Name*" with the placeholder "Make Dashboard" and a "36 Characters Remaining" indicator; "Description" with the placeholder "Make Dashboard" and a "486 Characters Remaining" indicator; and "Notebook URL*" containing the URL "https://cocl.us/course_notebook_project" (highlighted with a red box). To the right of the URL field, there is a section for "Select runtime*" which includes a link to "Includes notebook environments" and specifies the "Default Python 3.5 XS (2 vCPU and 8 GB RAM)". Below this, it states: "The selected runtime has 2 vCPU and 8 GB RAM and consumes 1 capacity unit hour. Learn more about capacity unit hours and Watson Studio pricing plans."

The result should be the notebook.

IBM Watson Studio

Upgrade

joseph santarcangelo's ...

JS

Navigation Menu

Python Basics for Data Science Pr... / test_notebook_cour


File Edit View Insert Cell Kernel Help

Not Trusted | Python 3.5

Run

Format

Markdown



**COGNITIVE
CLASS**

Analyzing US Economic Data and Building a Dashboard

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 essential economic indicators from some data, you will then display these economic indicators in a Dashboard. You can then share the dashboard via an URL.

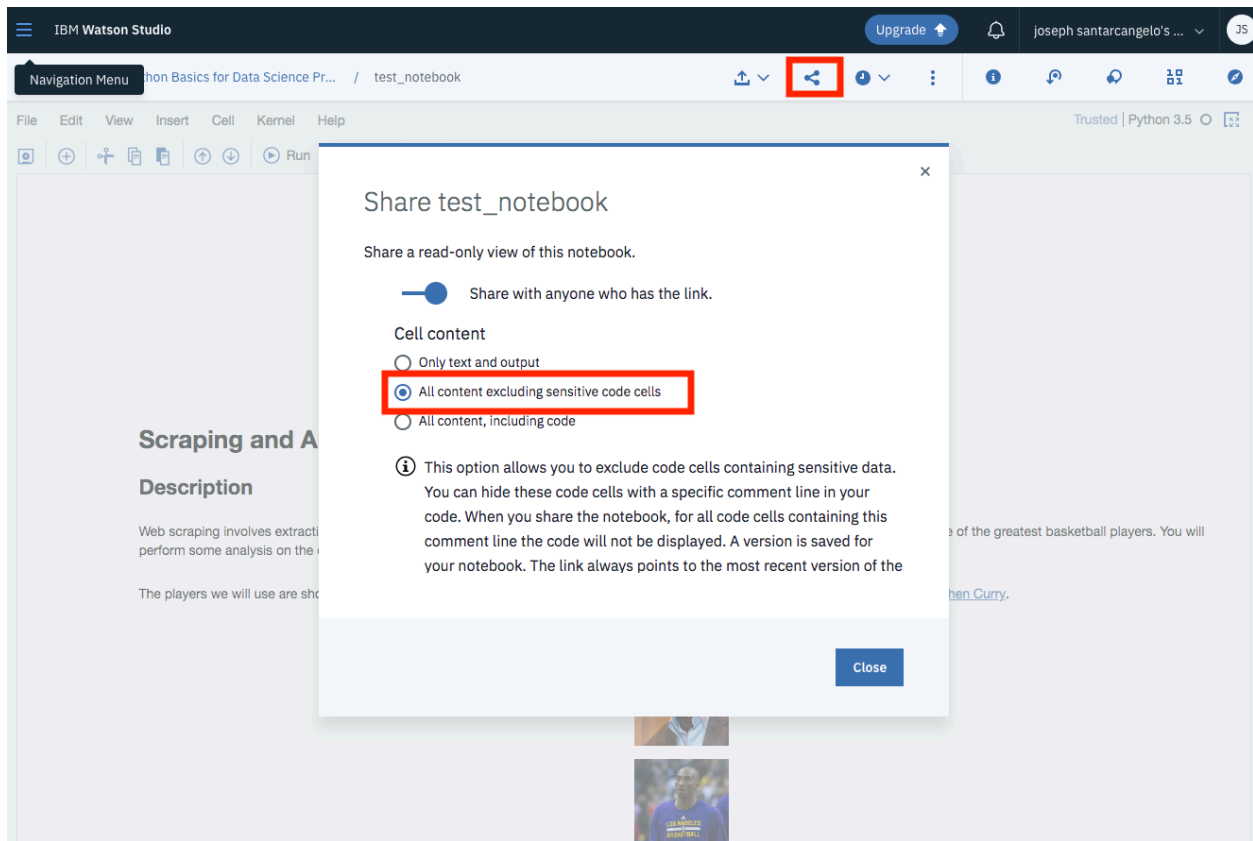
Gross domestic product (GDP) is a measure of the market value of all the final goods and services produced in a period. GDP is an indicator of how well the economy is doing. A drop in GDP indicates the economy is producing less; similarly an increase in GDP suggests the economy is performing better. In this lab, you will examine how changes in GDP impact the unemployment rate.

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- [Define a Function that Makes a Dashboard](#)
- [Question 1: Create a dataframe that contains the GDP data and display it](#)
- [Question 2: Create a dataframe that contains the unemployment data and display it](#)
- [Question 3: Display a dataframe where unemployment was greater than 8.5%](#)
- [Question 4: Use the function make_dashboard to make a dashboard](#)
- [Question 5: Save the dashboard on IBM cloud and display it](#)

Estimated Time Needed: 180 min


Once you complete your notebook you will have to share it. Select the icon on the top right a marked in red in the image below, a dialogue box should open, select the option all content excluding sensitive code cells.



You can then share the notebook via a URL by scrolling down as shown in the following image:



Share test_notebook

-  This option allows you to exclude code cells containing sensitive data. You can hide these code cells with a specific comment line in your code. When you share the notebook, for all code cells containing this comment line the code will not be displayed. A version is saved for your notebook. The link always points to the most recent version of the notebook.

Permalink to view notebook

<https://dataplatform.cloud.ibm.com/analytics/notebooks/v2/106a6db4->



Share on social media



Close