

Appendix: Load Data Assets

Introduction

Labs 3,4, and 5 are dependent on Lab-2 completing successfully. We are providing the steps in this Appendix to satisfy the prerequisites for Labs 3,4, and 5 in the case that Lab-2 is not completed successfully.

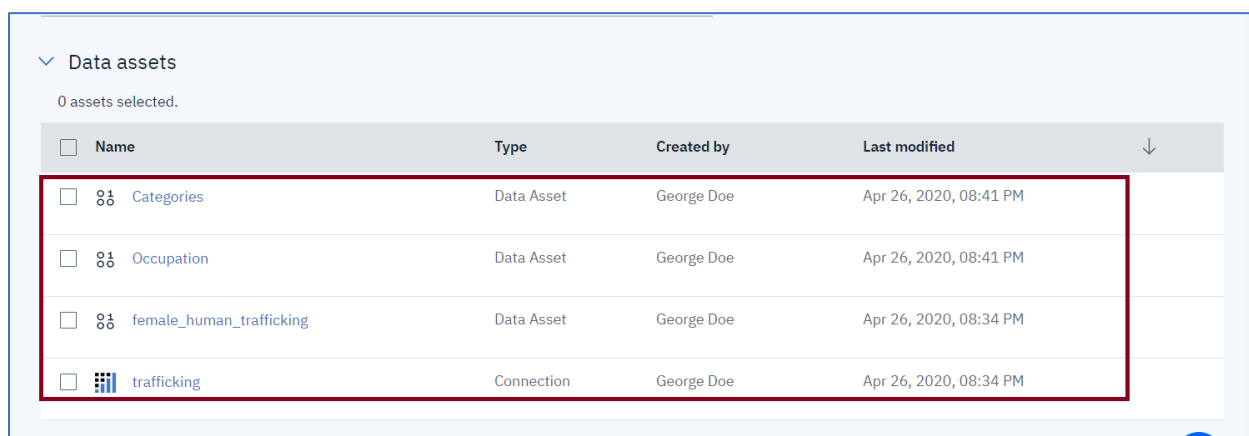
Objectives

In this lab, you will learn how to:

1. Upload a csv file to Watson Studio
2. Create a connection to a data source
3. Create a connected data asset.





Data Assets

The data assets needed for Labs 3,4, and 5 are shown below. If any of these are missing from the Data Assets section in the project, please follow the steps below (i.e. add all of the assets below regardless of whether 1,2,3 or 4 assets are missing).



▼ Data assets

0 assets selected.

<input type="checkbox"/>	Name	Type	Created by	Last modified	↓
<input type="checkbox"/>	 Categories	Data Asset	George Doe	Apr 26, 2020, 08:41 PM	
<input type="checkbox"/>	 Occupation	Data Asset	George Doe	Apr 26, 2020, 08:41 PM	
<input type="checkbox"/>	 female_human_trafficking	Data Asset	George Doe	Apr 26, 2020, 08:34 PM	
<input type="checkbox"/>	 trafficking	Connection	George Doe	Apr 26, 2020, 08:34 PM	

Download Files

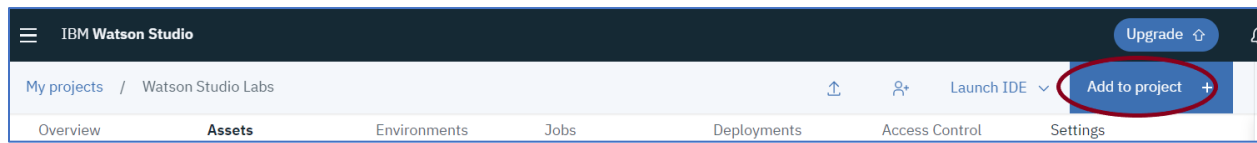
Complete the following steps if you have not downloaded the trafficking data files (Categories.csv and Occupation.csv) from the github repository

1. Click [here](#), to download the zipped file.
2. Extract the file contents. You should have two files extracted, (1) Categories.csv, and (2) Occupation.csv.

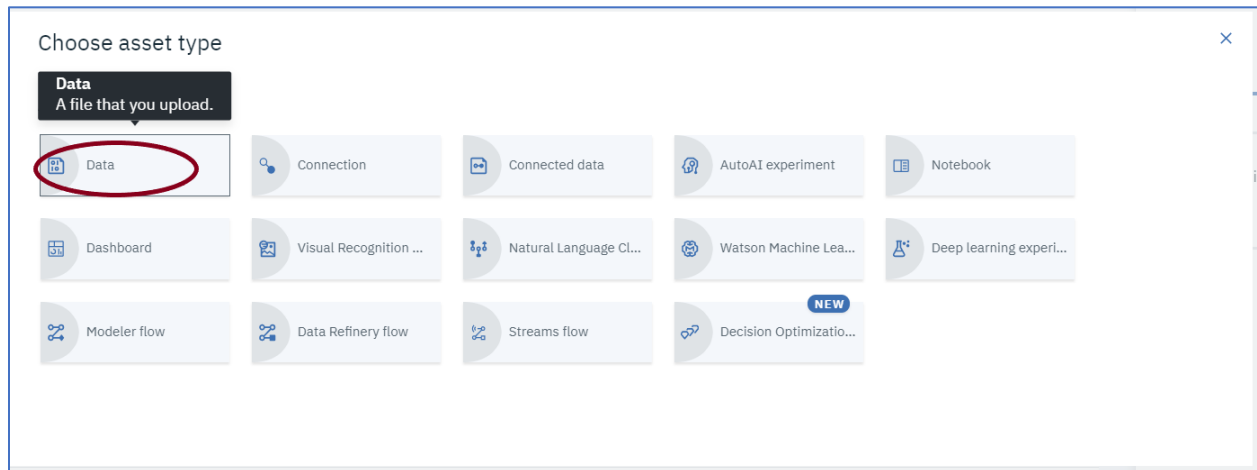
Add Categories

To add the Categories data asset to the project, complete the following steps.

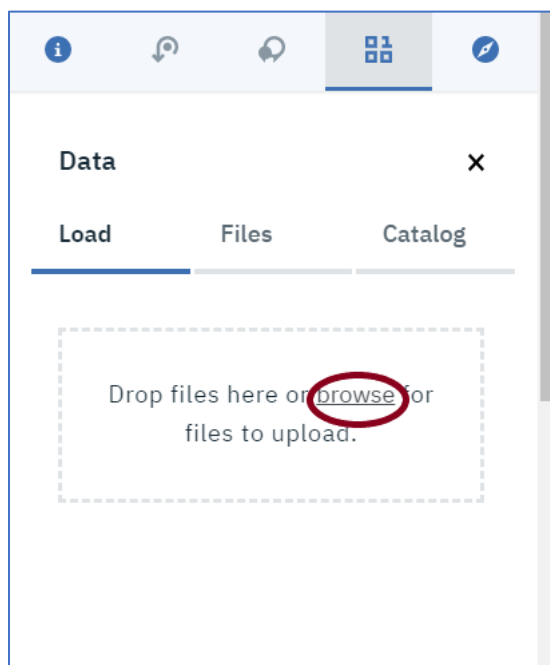
1. Click on **Add to project**.



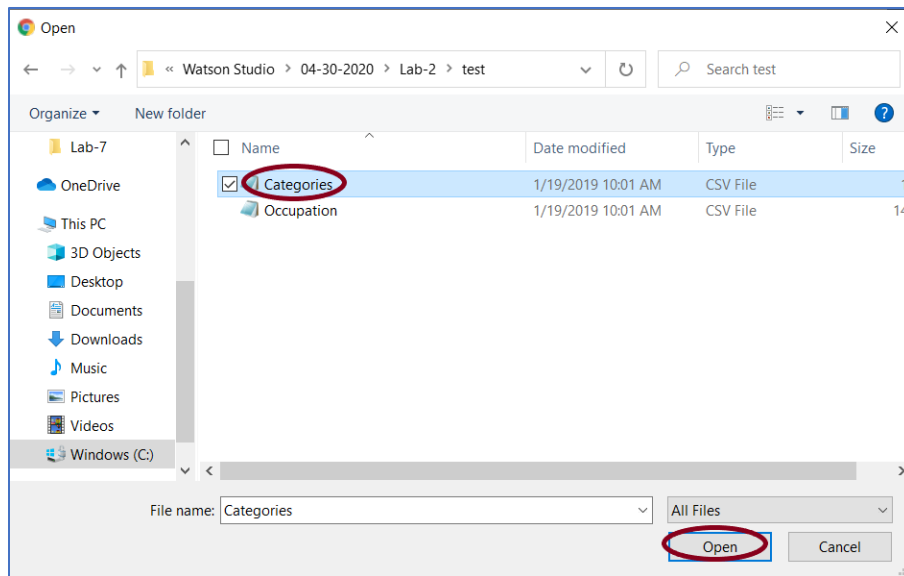
2. Click on **Data**.



3. Click on **browse**.



4. Navigate to where Categories.csv was downloaded to your file system. Click on **Categories**. Click **Open**.

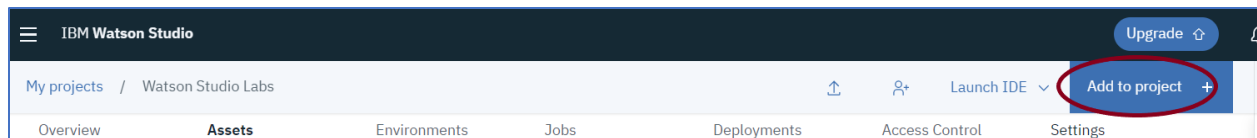


5. The **Categories** asset is added to the project.

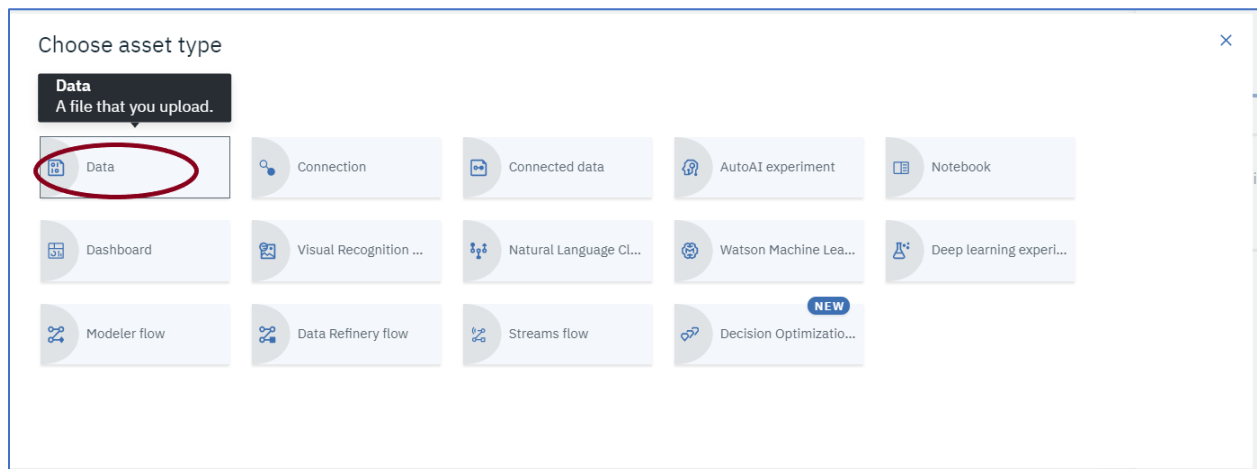
Add Occupation.

To add the Occupation data asset to the project, complete the following steps.

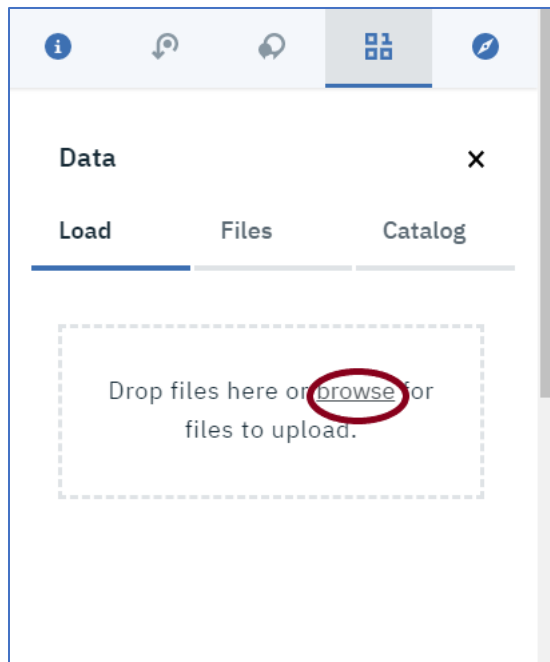
1. Click on **Add to project**.



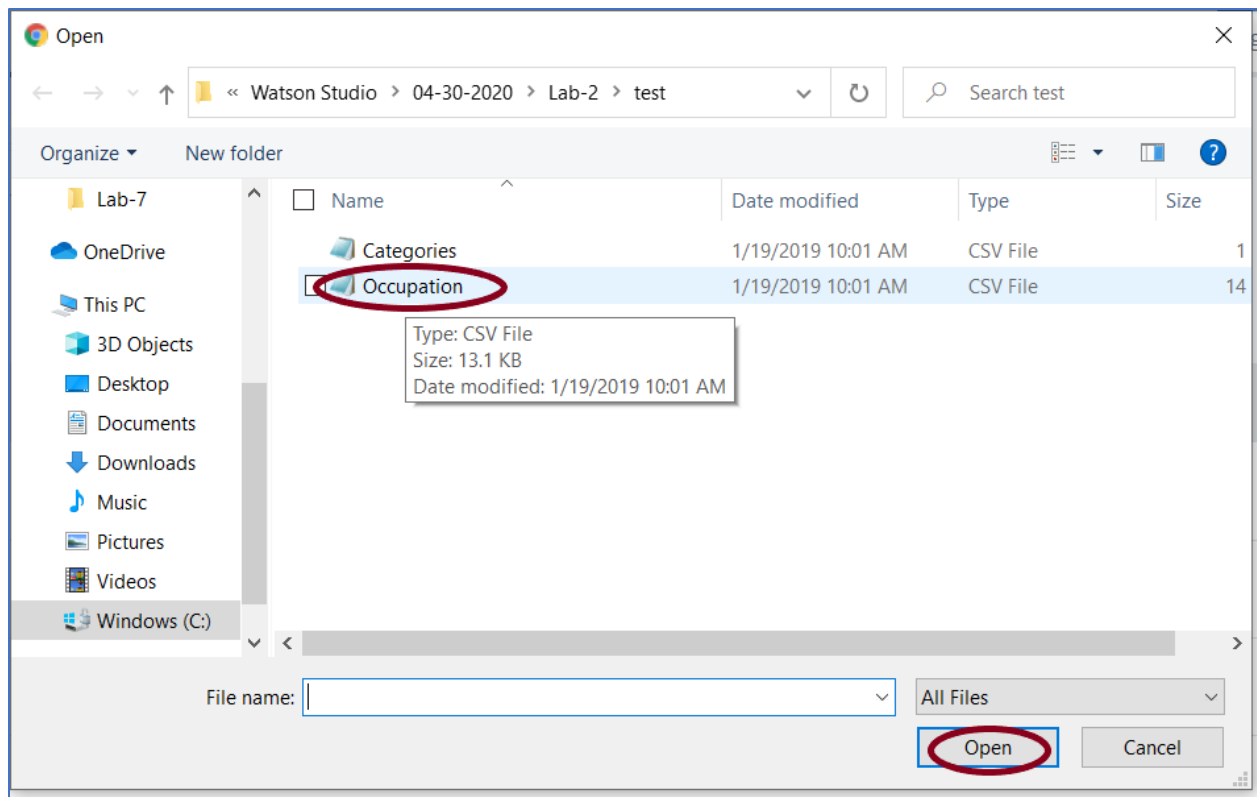
2. Click on **Data**.



3. Click on **browse**.



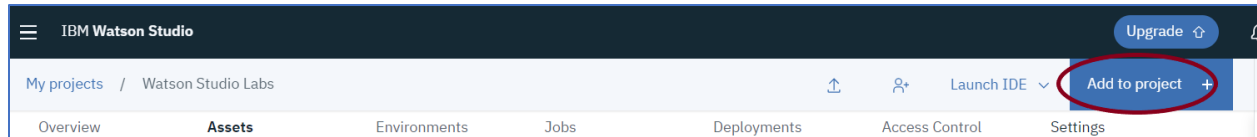
4. Navigate to where **Occupation.csv** was downloaded to your file system. Click on **Occupation**. Click **Open**.



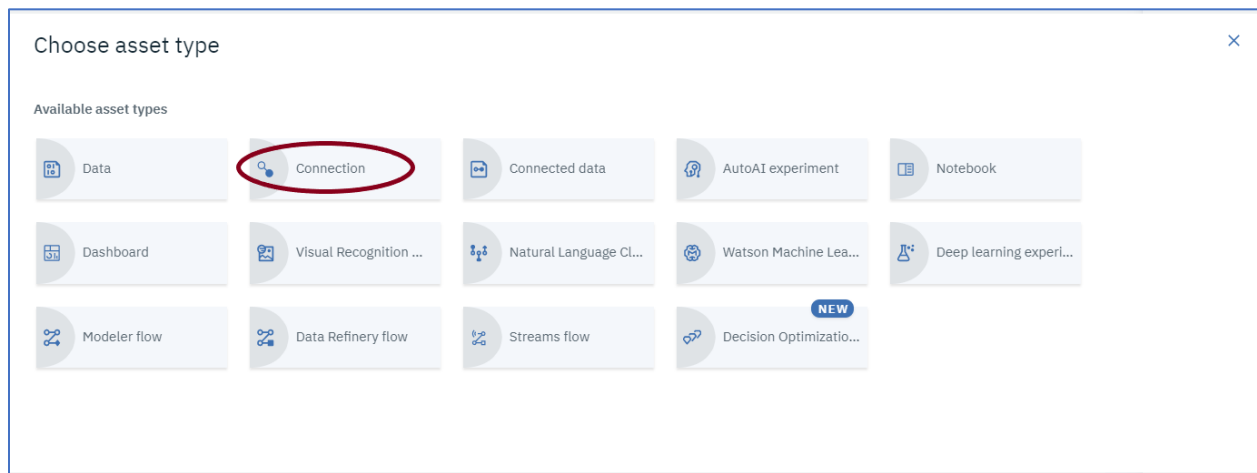
5. The **Occupation** asset is added to the project.

Add Trafficking Connection

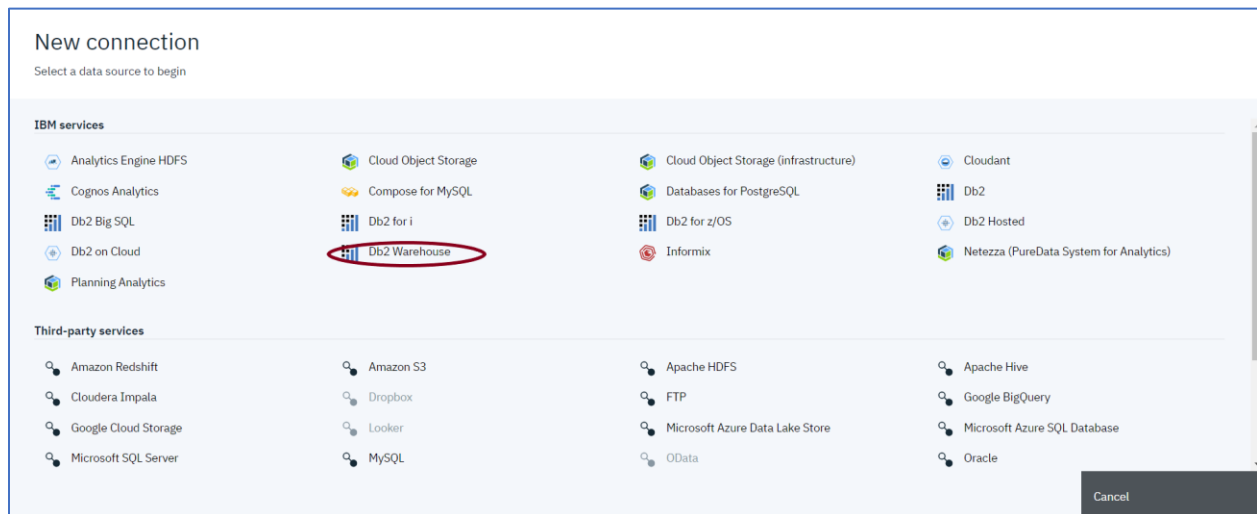
1. Click on **Add to project**.



2. Click on **Connection**



3. Click on **DB2 Warehouse**



4. Enter **trafficking** for the Connection **Name**. Enter **BLUDB** for the **Database**. Enter **bluadmin** for the **User name**. Click [here](#) to get DB2 Warehouse credentials for **Host name** and **Password**. Pick a random connection from the list. For example, we used the credentials for Db2_Warehouse_E2E_3 below. Copy the **hostname** from the credentials

to the **Host name** on the **New connection** page. Copy the **password** from the credentials to the **Password** on the **New connection** page. Click **Create**.

New connection (trafficking - Db2 Warehouse)
Enter information for the selected data source

Connection overview

Name: trafficking

Description: Db2 Warehouse

Connection Details

API Key: [empty]

Database: BLUDB

Host name or IP Address: db2w-ygjkws.us-east.db2w.cloud.ibm.com

Port (optional): 50001

User name: bludmn

Password: [masked]

Port is SSL-enabled (optional): ☒ [Deprecated] The port is configured to accept SSL connections

Secure Gateway: ☐ Use a secure gateway

Connection discovery: ☐ Discover data assets

Cancel Create

5. The **trafficking** connection is added to the Data Assets for the project.

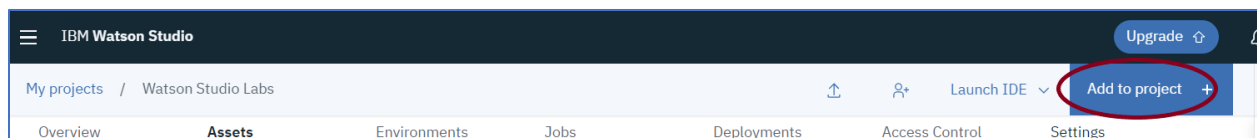
▼ Data assets

0 assets selected.

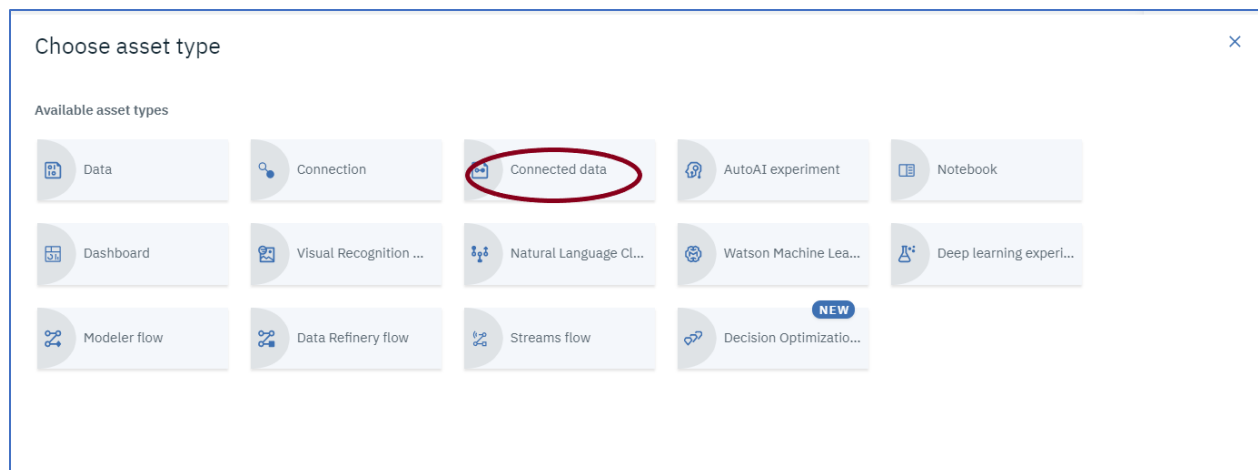
<input type="checkbox"/>	Name	Type	Created by	Last modified	
<input type="checkbox"/>	trafficking	Connection	George Doe	Apr 28, 2020, 11:11 PM	⋮
<input type="checkbox"/>	CSV Occupation.csv	Data Asset	George Doe	Apr 28, 2020, 07:47 PM	
<input type="checkbox"/>	CSV Categories.csv	Data Asset	George Doe	Apr 28, 2020, 07:46 PM	

Add Connected Asset

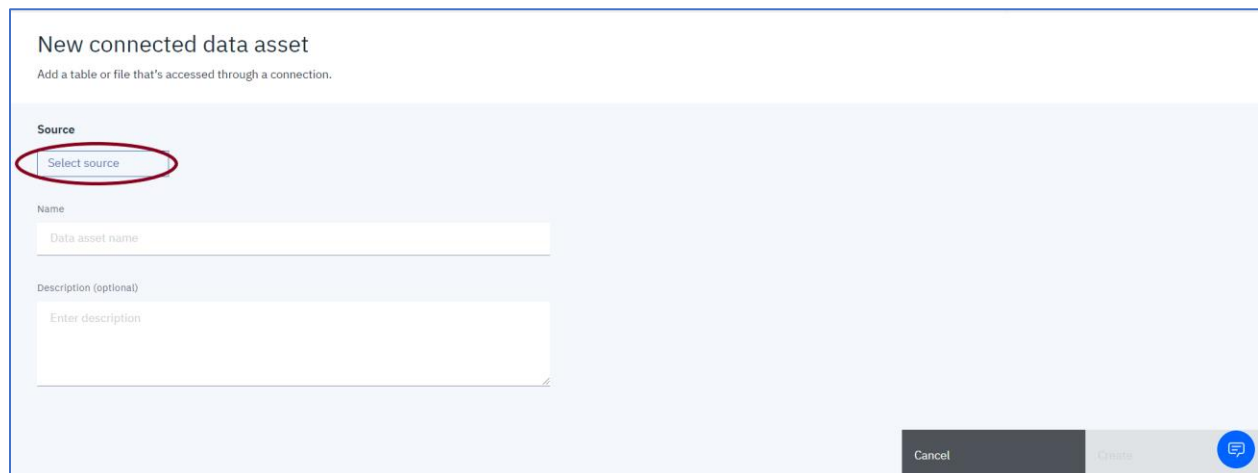
1. Click on **Add to project**.



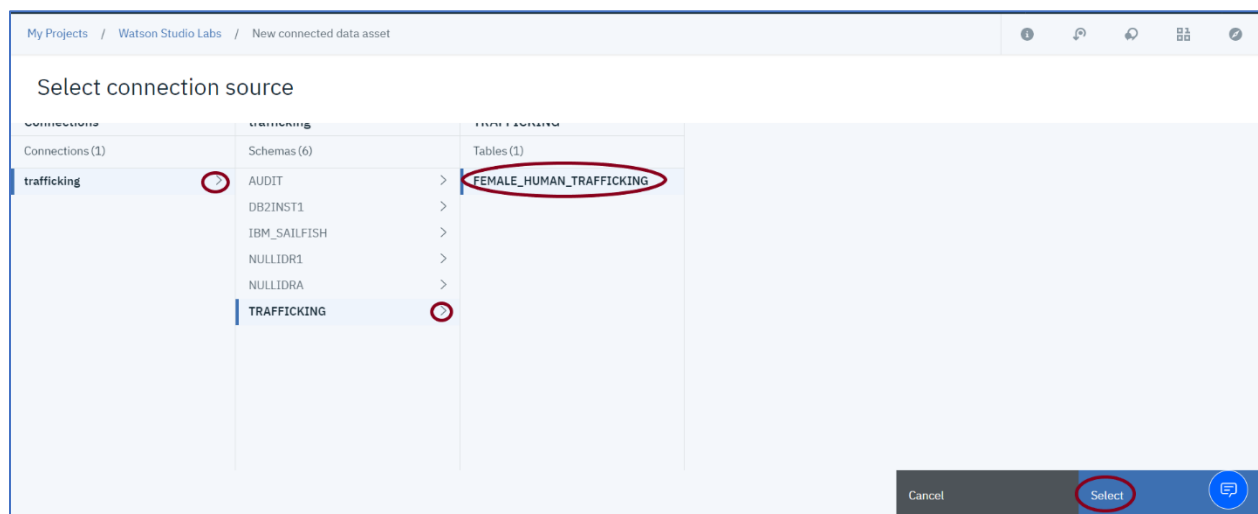
2. Click on **Connected data**



3. Click on **Select Source**



4. Click on **trafficking** for the **Connection**, **TRAFFICKING** for the **Schema**, and **FEMALE_HUMAN_TRAFFICKING** for the **Table**. Click **Select**.



5. Enter **female_human_trafficking** for the Name, and click **Create**.

My Projects / Watson Studio Labs / New connected data asset

New connected data asset

Add a table or file that's accessed through a connection.

Source: Db2 Warehouse Change source

trafficking: /TRAFFICKING/FEMALE_HUMAN_TRAFFICKING

Name
female_human_trafficking

Description (optional)
Enter description

Cancel Create

6. The **female_human_trafficking** Connected Data asset is created.

Data assets				
0 assets selected.				
<input type="checkbox"/>	Name	Type	Created by	Last modified
<input type="checkbox"/>	female_human_trafficking	Data Asset	George Doe	Apr 28, 2020, 11:40 PM
<input type="checkbox"/>	trafficking	Connection	George Doe	Apr 28, 2020, 11:11 PM
<input type="checkbox"/>	Occupation.csv	Data Asset	George Doe	Apr 28, 2020, 07:47 PM
<input type="checkbox"/>	Categories.csv	Data Asset	George Doe	Apr 28, 2020, 07:46 PM

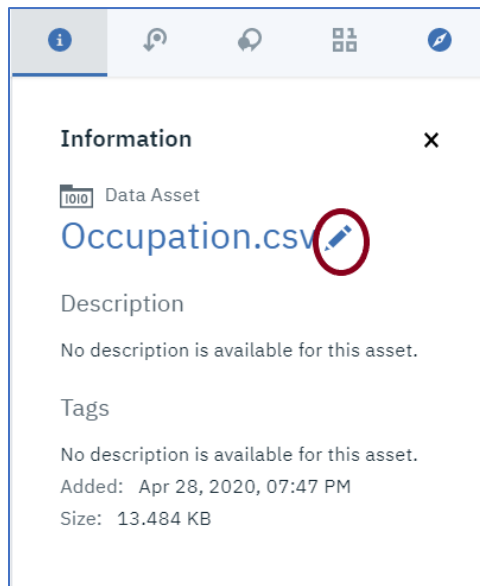
Change Data Asset Names

To be consistent with the output of Lab-2, we need to change Occupation.csv to Occupation, and Categories.csv to Categories.

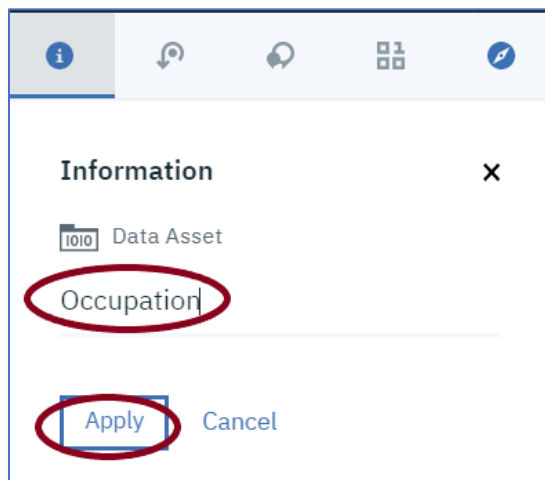
1. Click on **Occupation.csv**

Data assets				
0 assets selected.				
<input type="checkbox"/>	Name	Type	Created by	Last modified
<input type="checkbox"/>	female_human_trafficking	Data Asset	George Doe	Apr 28, 2020, 11:40 PM
<input type="checkbox"/>	trafficking	Connection	George Doe	Apr 28, 2020, 11:11 PM
<input type="checkbox"/>	Occupation.csv	Data Asset	George Doe	Apr 28, 2020, 07:47 PM
<input type="checkbox"/>	Categories.csv	Data Asset	George Doe	Apr 28, 2020, 07:46 PM

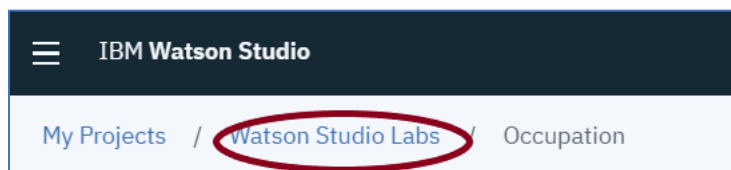
2. Hover over Occupation.csv to display the pencil icon. Click on the **pencil** icon.



3. Change the name to **Occupation** and click **Apply**.







4. Click **Watson Studio Labs** to return to the **Asset** page.



5. Click on **Categories.csv**


▼ Data assets


0 assets selected.

<input type="checkbox"/>	Name	Type	Created by	Last modified	↓
<input type="checkbox"/>	 Occupation	Data Asset	George Doe	Apr 29, 2020, 08:14 AM	
<input type="checkbox"/>	 female_human_trafficking	Data Asset	George Doe	Apr 28, 2020, 11:40 PM	
<input type="checkbox"/>	 trafficking	Connection	George Doe	Apr 28, 2020, 11:11 PM	
<input type="checkbox"/>	 Categories.csv	Data Asset	George Doe	Apr 28, 2020, 07:46 PM	

6. Hover over **Categories.csv** to display the pencil icon. Click on the **pencil** icon.

Information x

 Data Asset

Categories.csv 

Description

No description is available for this asset.

Tags


No description is available for this asset.

Added: Apr 28, 2020, 07:46 PM

Size: 218 Bytes

7. Change **Categories.csv** to **Categories** and click **Apply**.

Information x

 Data Asset

Categories






Apply Cancel

8. Click **Watson Studio Labs** to return to the **Asset** page.

9. The Categories asset name has been changed.

▼ Data assets

0 assets selected.

<input type="checkbox"/>	Name	Type	Created by	Last modified	↓
<input type="checkbox"/>	 Categories	Data Asset	George Doe	Apr 29, 2020, 08:38 AM	
<input type="checkbox"/>	 Occupation	Data Asset	George Doe	Apr 29, 2020, 08:14 AM	
<input type="checkbox"/>	 female_human_trafficking	Data Asset	George Doe	Apr 28, 2020, 11:40 PM	
<input type="checkbox"/>	 trafficking	Connection	George Doe	Apr 28, 2020, 11:11 PM	
<input type="checkbox"/>	 Occupation	Data Asset	George Doe	Apr 26, 2020, 08:41 PM	