

## **Data Import**

Citizen Analytics – An Initiative by Data Science Team

START >

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## **Learning Objectives**

By the end of this module, you will be able to:

Import datasets from multiple sources

Create new datasets manually in ML Studio

Unpack zipped datasets within ML Studio



### **Content**

| 01. | Data Import |                                     | ( |
|-----|-------------|-------------------------------------|---|
|     | a.          | Create an experiment                |   |
|     | b.          | Import Data from a Blob Storage     |   |
|     | C.          | Import Data from a Web URL via http |   |
|     | d.          | Import Data from Local Storage      |   |
|     | e.          | Create new dataset manually         |   |

#### Summary

Unpack Zipped Dataset



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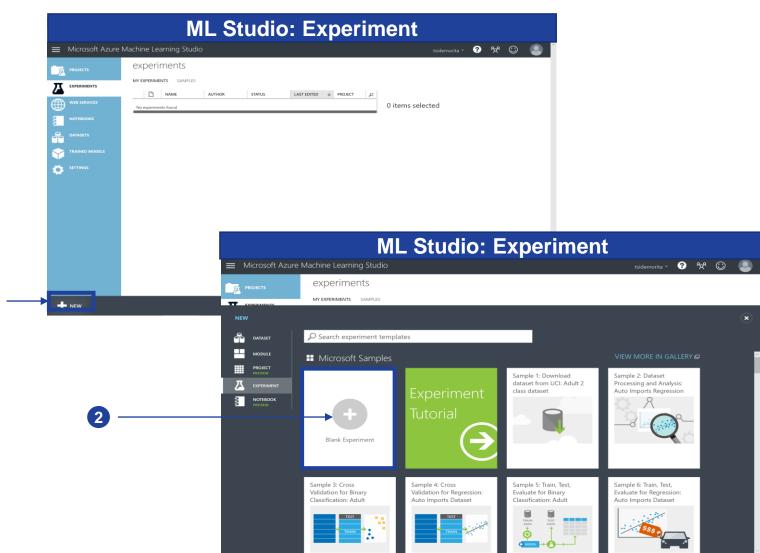


## **Data Import**



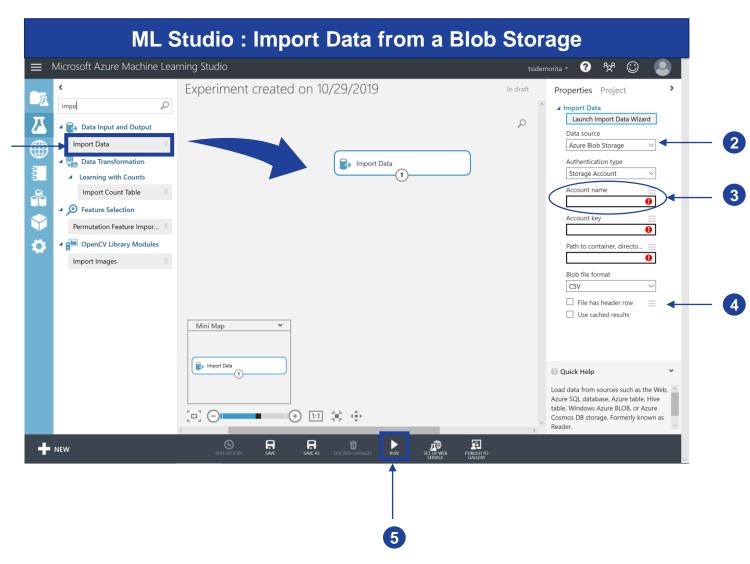
## **Create an experiment**

- Click new on the bottom left corner of ML Studio.
- Click "+ Blank Experiment" to create an experiment



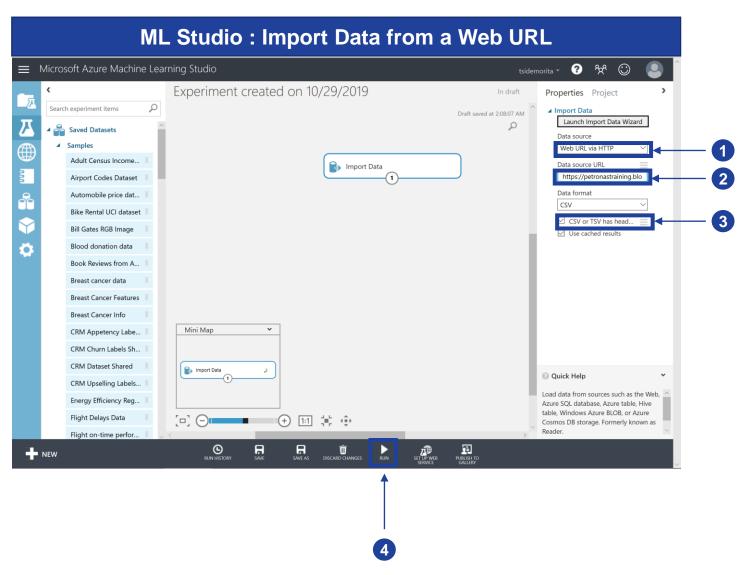
## Import Data from a Blob Storage

- Search for "Import Data" module and drag and drop to the canvas
- On Data Source, select "Azure Blob Storage"
- Fill up this space. DS will provide you with the details
- Tick here if your data includes a header
- Click "Run"



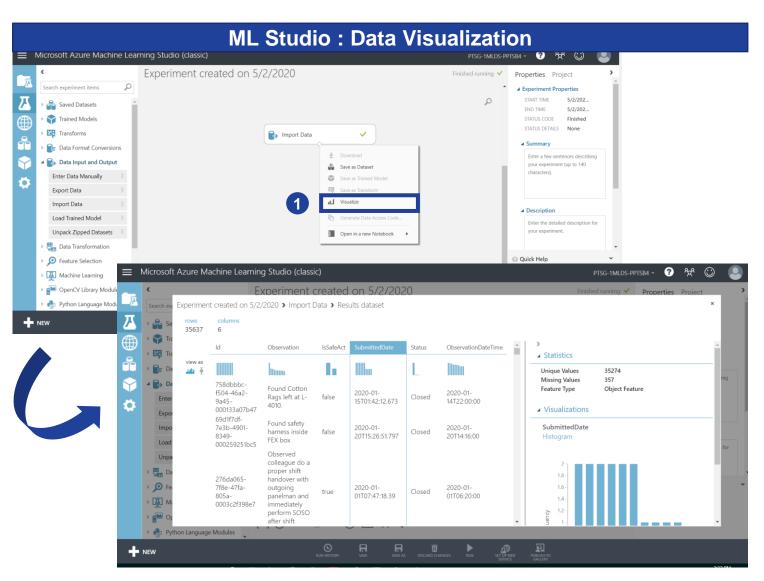
## Import Data from a Web URL via HTTP

- On Data Source, choose "Web URL via HTTP"
- 2. Fill up the space with your URL of choice
- 3. Tick here if your data includes header
- 4. Click "Run"



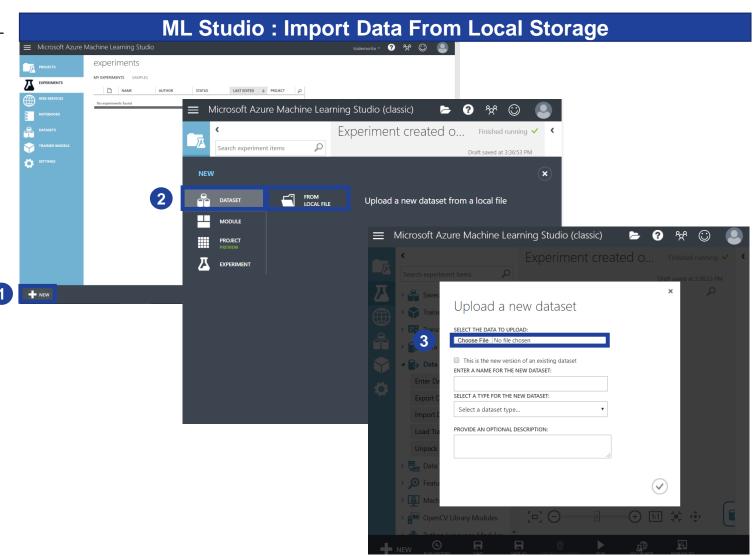
### **Data Visualization**

To perform data visualization, right click on "Import Data" and choose "Visualize".



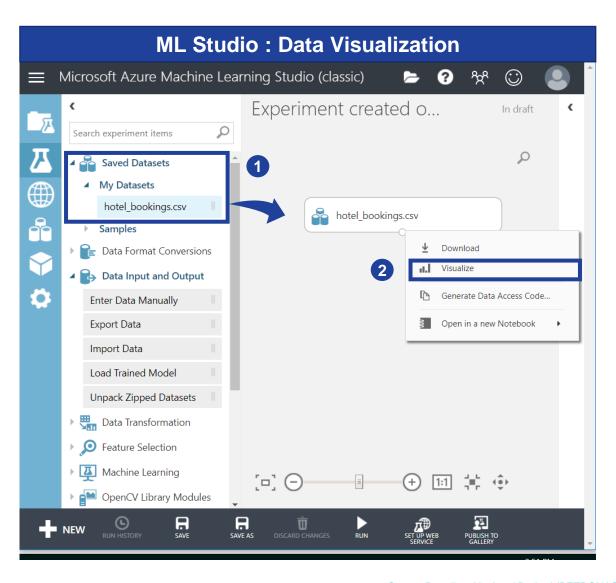
## **Import Data from Local Storage**

- Click "New" from the bottom left corner of ML Studio
- Choose "Dataset" and click "From Local File"
- Click on "Choose File" and select dataset of your choice



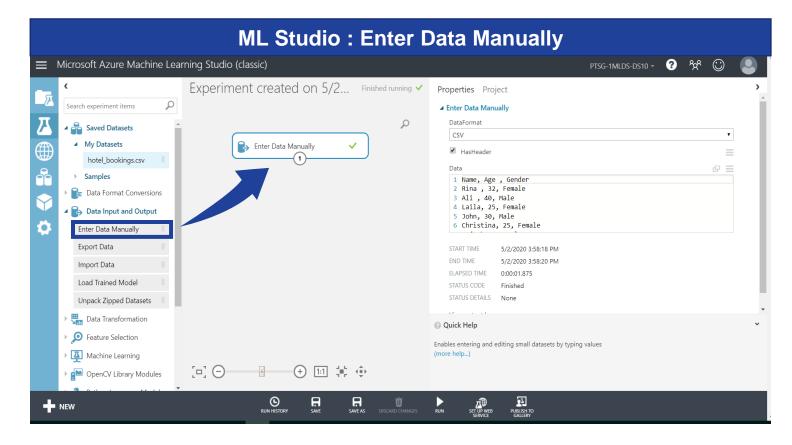
#### **Visualize data from Saved Datasets**

- Click on "Saved Datasets" and drag dataset of your choice to the canvas
- Right-click on the selected dataset and click "Visualize"



## **Create new dataset manually**

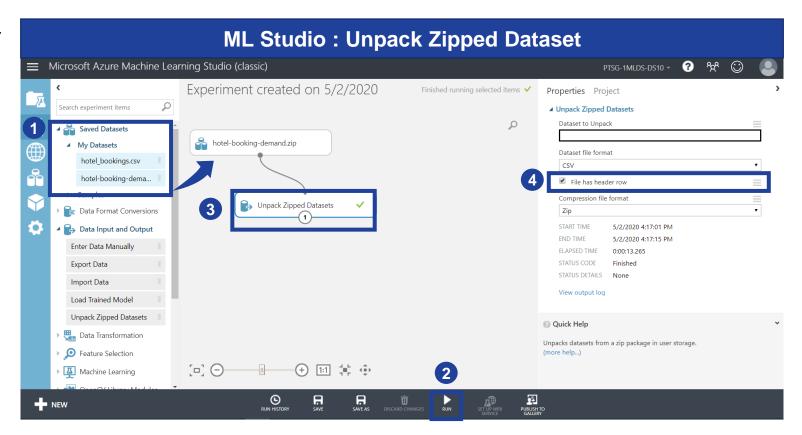
To create new dataset manually, search "Enter Data Manually", drag and drop it on the canvas and fill up the right form accordingly and proceed to "Visualize"



## **Unpack Zipped Dataset**

Load zipped datasets in ML Studio using a similar manner as loading file from local storage:

- Drag and drop your Zipped Dataset, then search "Unpack Zipped Dataset" module, drag it to the canvas
- Click "Run"
- 3. Visualize by right click at (1)
- Check this "File has header row" box if the dataset has a header



## **Summary**



## **Summary**

#### In this module, you learnt to import data into Azure ML Studio:

- 1. Import dataset from multiple sources:
  - Import data from a Blob Storage
  - Import Data from a Web URL via HTTP
  - Import Data from Local Storage
- 2. Create new datasets manually in ML Studio
- 3. Unpack zipped datasets within ML Studio



# Thank you for your passion!

