

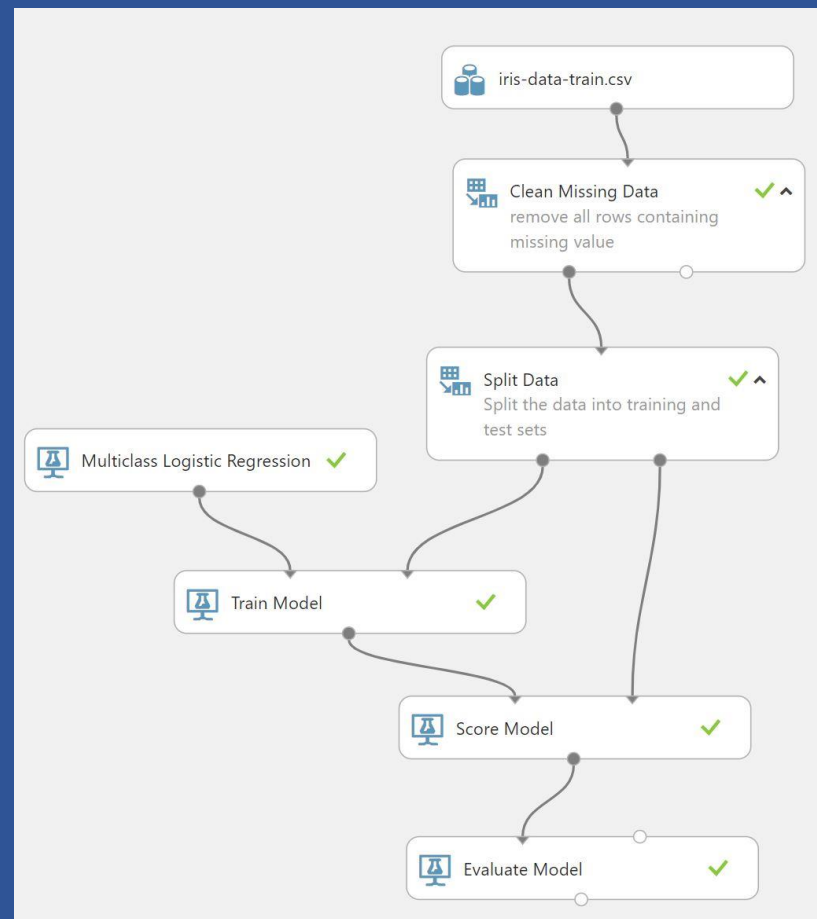
Iris in Azure ML

In this session

- Question and Data
- Dataset description
- Create Data Set
- Place dataset
- Drop missing data rows
- Split Data
- Train, Score, Evaluate
- Understand Confusion matrix

The finished model

<https://raw.githubusercontent.com/laploy/ML.NET/master/Iris/iris-azureML-diagram.JPG>



Question and Data

Question: Which group is this flower belong to?

Dataset:

Train

<https://raw.githubusercontent.com/laploy/ML.NET/master/Iris/iris-data-train.csv>

Test

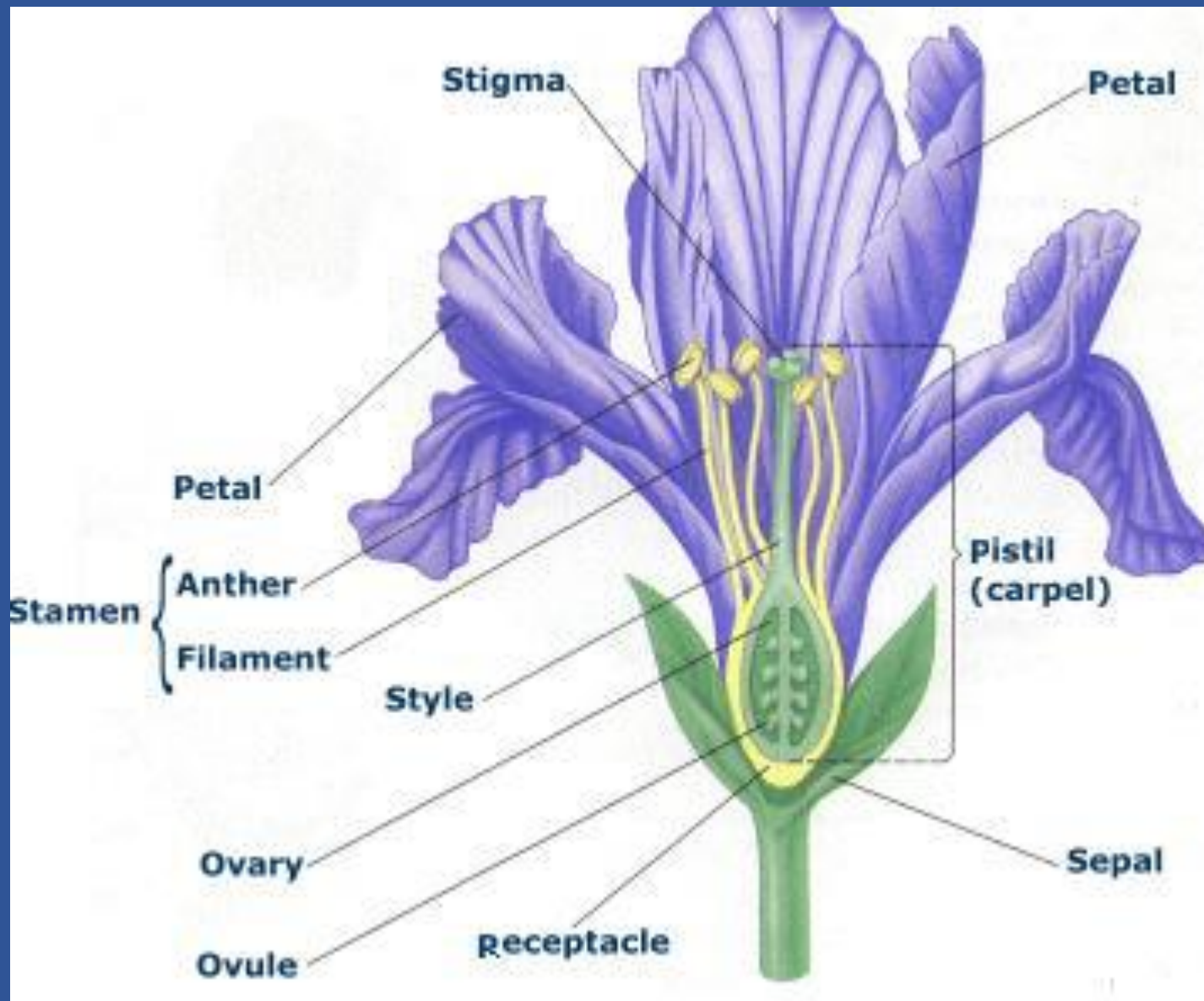
<https://raw.githubusercontent.com/laploy/ML.NET/master/Taxi-fare/taxi-fare-score.csv>

Dataset description

1. sepal length in cm
2. sepal width in cm
3. petal length in cm
4. petal width in cm
5. class:
 - Iris Setosa
 - Iris Versicolour
 - Iris Virginica

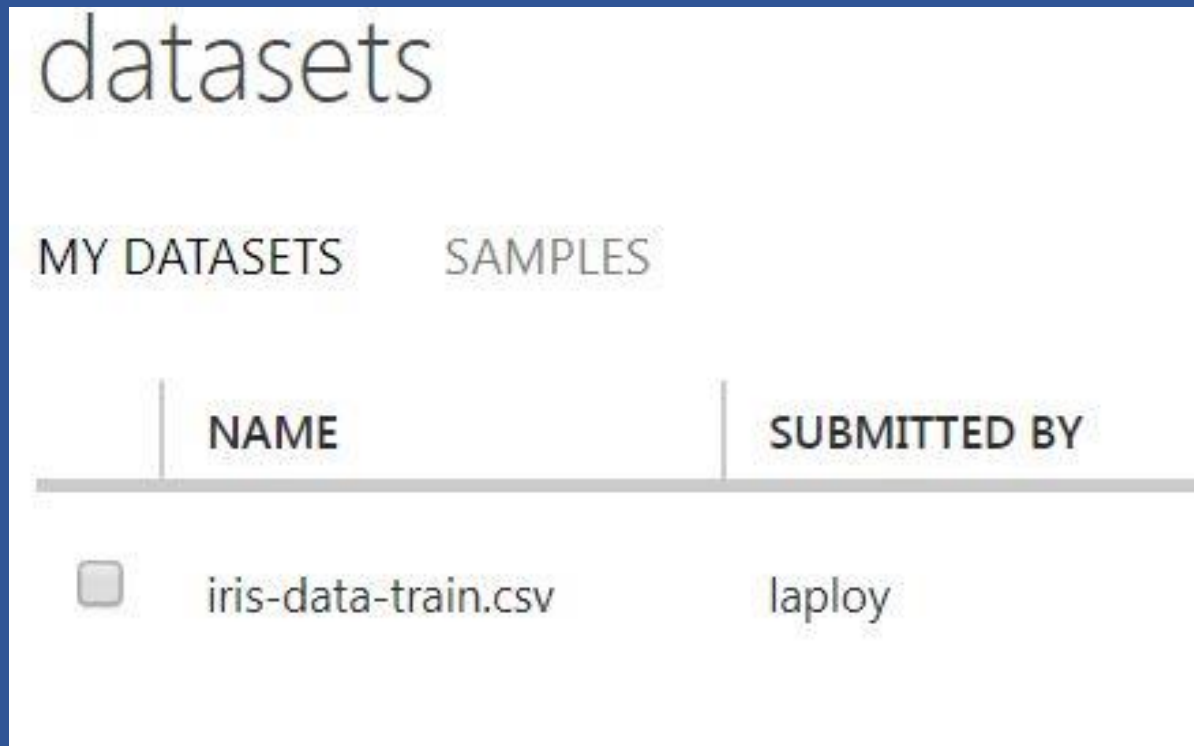
	A	B	C	D	E
1	slen	swidth	plen	pwidth	class
2	5.3	3.7	1.5	0.2	Iris-setosa
3	5	3.3	1.4	0.2	Iris-setosa
4	5.1	2.5	3	1.1	Iris-versicolor
5	5.7	2.8	4.1	1.3	Iris-versicolor
6	6.2	3.4	5.4	2.3	Iris-virginica
7	5.9	3	5.1	1.8	Iris-virginica





Create Data Set

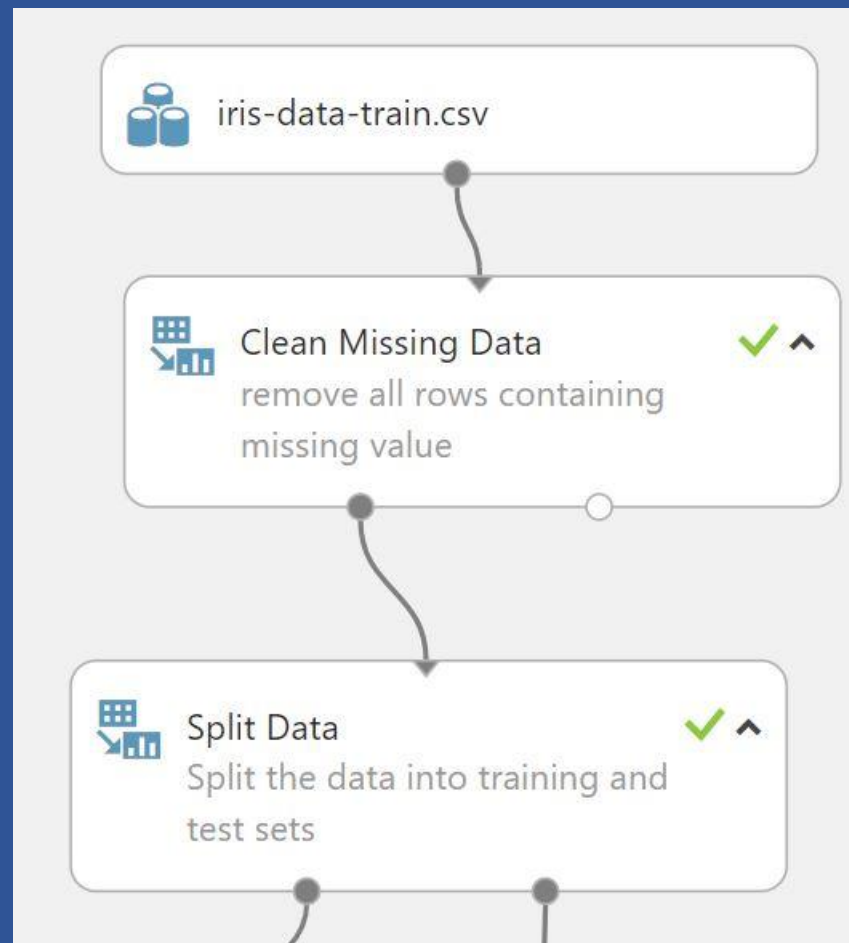
Click DATASET / + NEW / import both datasets



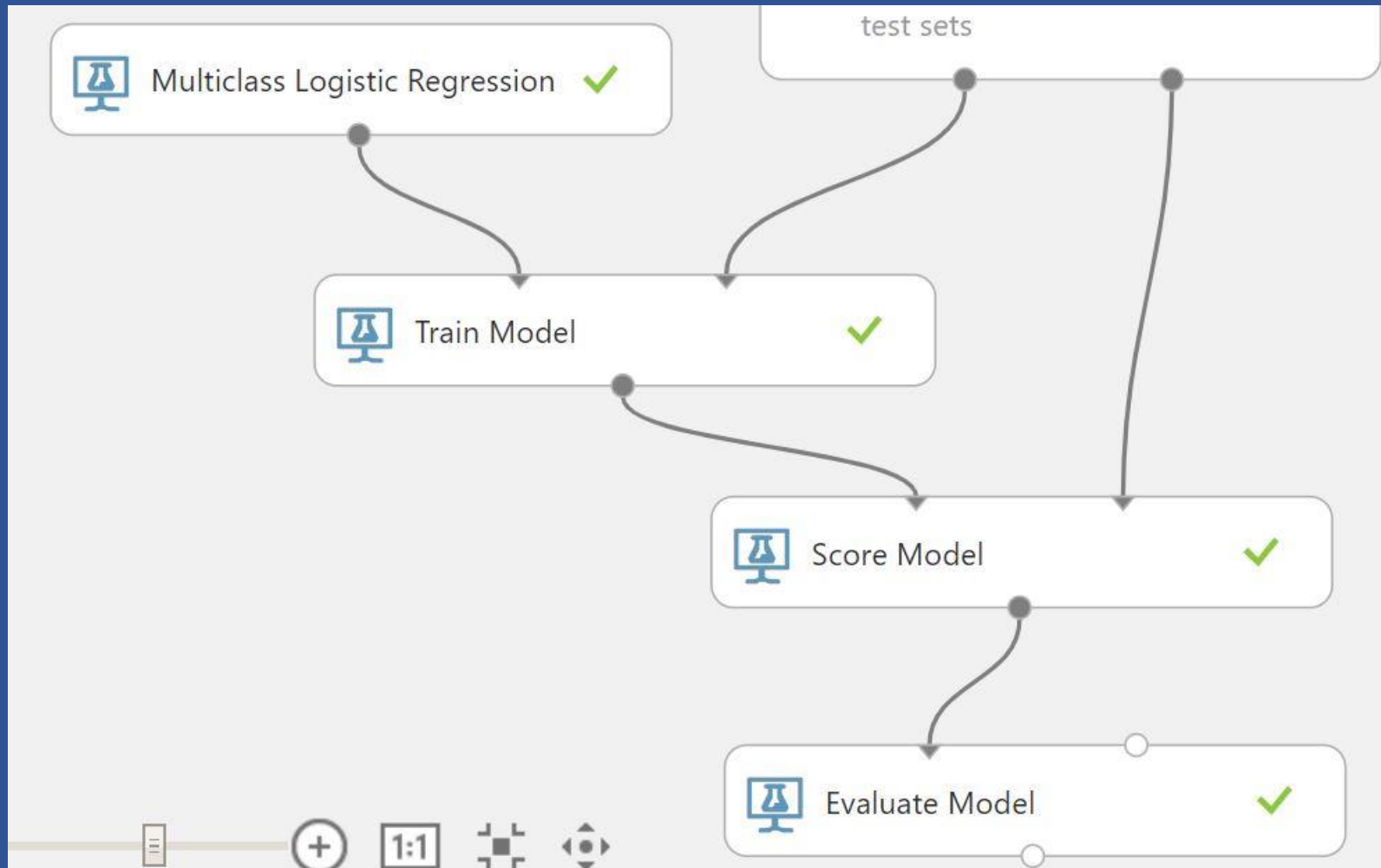
The screenshot shows a web interface for managing datasets. At the top, the word 'datasets' is displayed in a large, lowercase font. Below it, there are two tabs: 'MY DATASETS' and 'SAMPLES'. The 'MY DATASETS' tab is active. Below the tabs is a table with two columns: 'NAME' and 'SUBMITTED BY'. The table contains one row with the dataset name 'iris-data-train.csv' and the submitter 'laploy'. There is a small square icon to the left of the dataset name.

	NAME	SUBMITTED BY
<input type="checkbox"/>	iris-data-train.csv	laploy

Add Datasets, Clean Missing data, Split

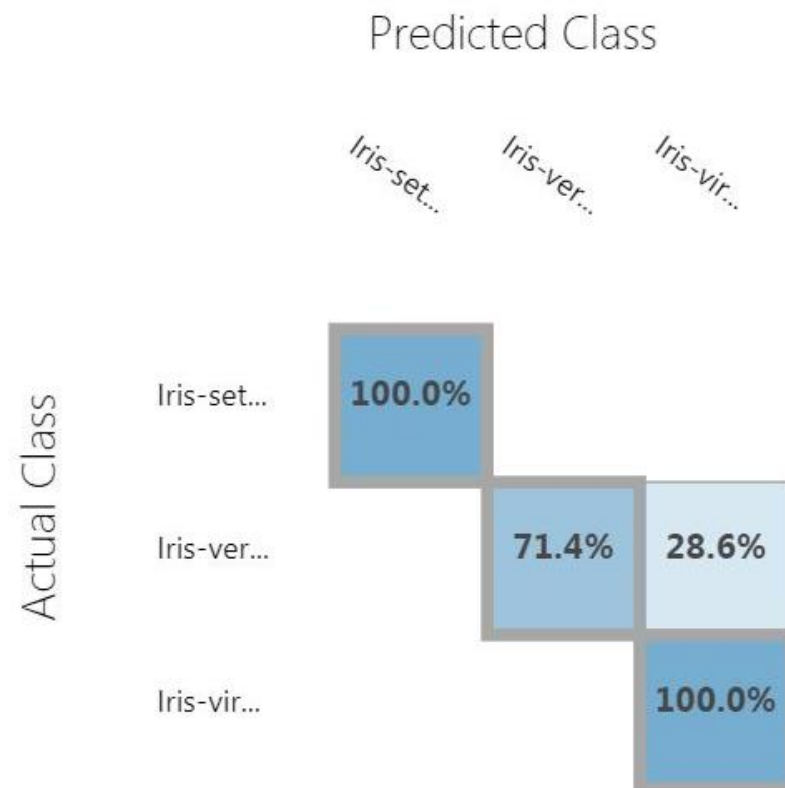


Train, Score and Evaluate



Evaluation Metrics

▲ Confusion Matrix



What next?

Iris AutoML