

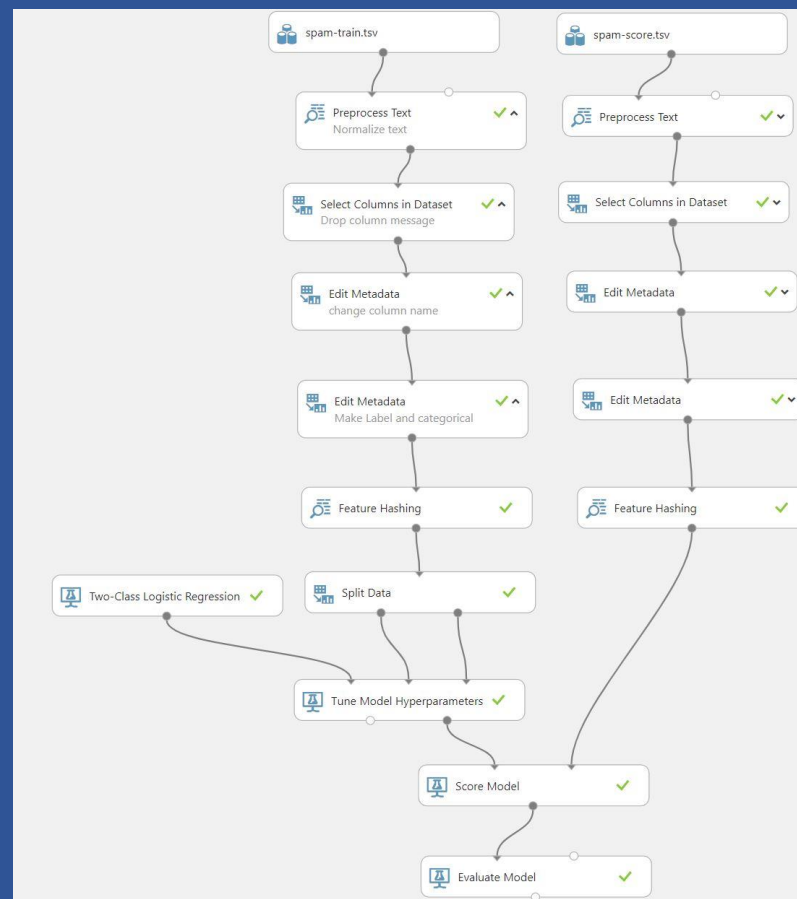
Spam in Azure ML

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/Spam/spam-azure-model.JPG>



Question and Data

Question: This message is normal or a spam?

Dataset:

Train

<https://raw.githubusercontent.com/laploy/ML.NET/master/Spam/spam-train.tsv>

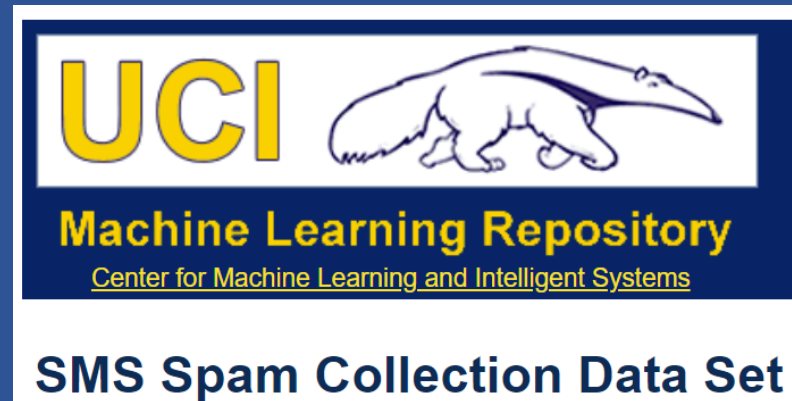
Score

<https://raw.githubusercontent.com/laploy/ML.NET/master/Spam/spam-score.tsv>

Test

<https://raw.githubusercontent.com/laploy/ML.NET/master/Spam/spam-test.tsv>

Dataset description



class	message
spam	REMINDER FROM O2: To get 2.50 pounds free cal
ham	Rofl. Its true to its name
spam	This is the 2nd time we have tried 2 contact u. U h
ham	Will ã¼ b going to esplanade fr home?
ham	Pity, * was in mood for that. So...any other sugges
spam	Want explicit SEX in 30 secs? Ring 02073162414 n
ham	The guy did some bitching but I acted like i'd be i

Create Data Set

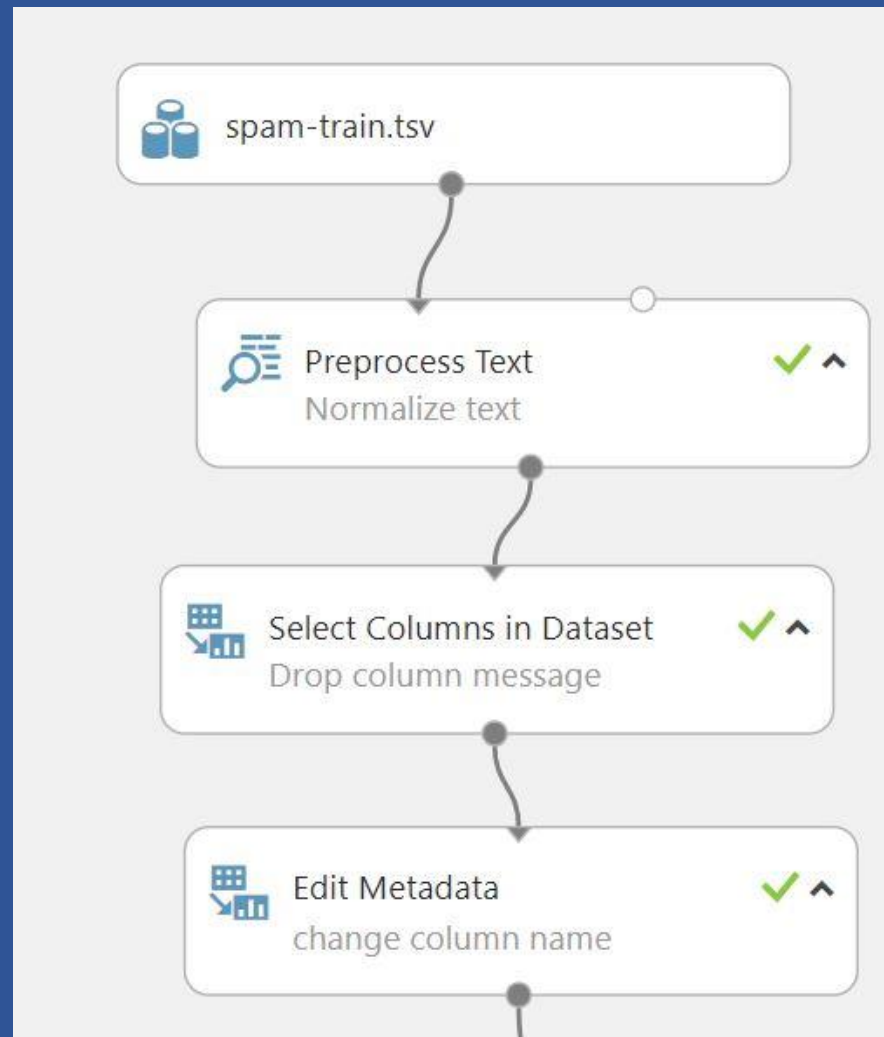
Click DATASET / + NEW / import both datasets

datasets

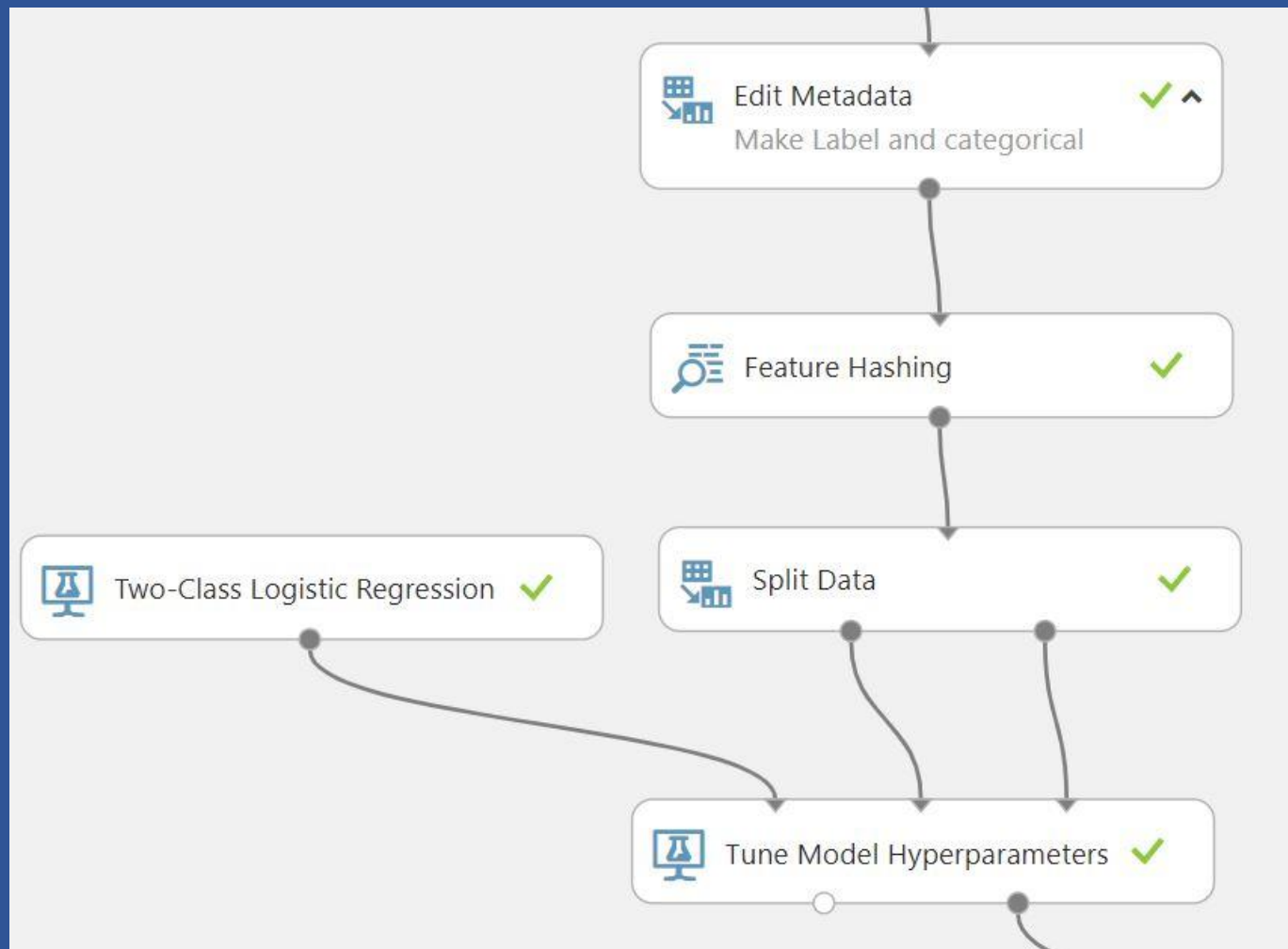
MY DATASETS SAMPLES

	NAME	SUBMITTED ...	DESCRIPTION
<input type="checkbox"/>	spam-score.tsv	laploy	
<input type="checkbox"/>	spam-train.tsv	laploy	

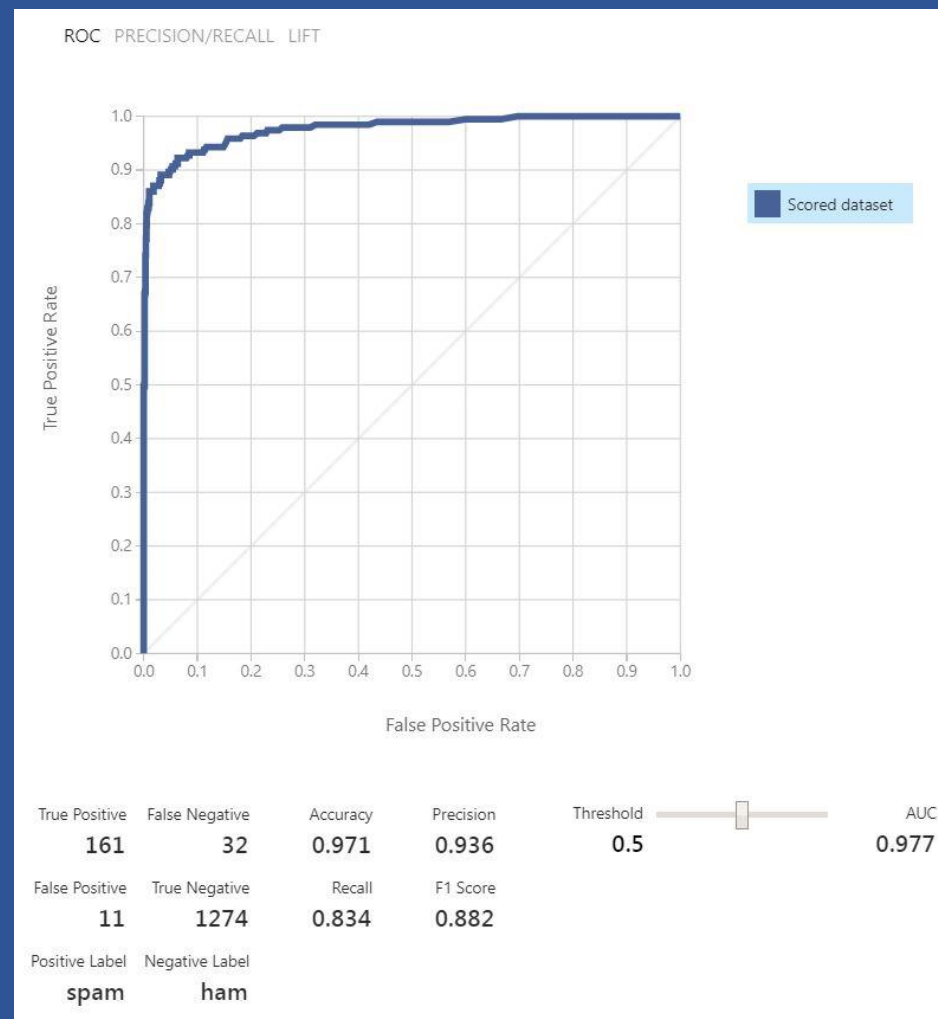
Add Datasets, normalize text, drop column, change name



Make label, hash feature, split



Score result



What next?

Spam AutoML