

# Hyperparameter Tuning

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# Goals and Requirements

## Estimated time to complete lab is 40-45 minutes

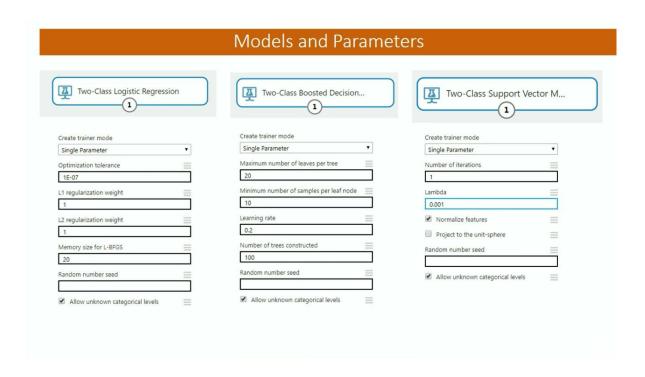
### Goals

1. Implement and design a model by using Hyper Tuning Parameters.

# Requirements:

1. Access to an Azure Machine Learning Studio

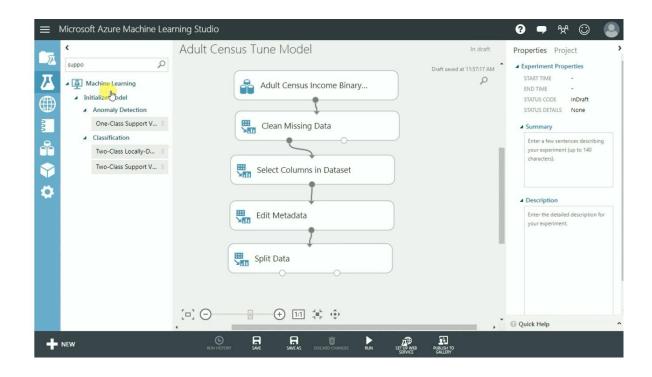
# Hyperparameter Tuning



# What are Hyperparameters?

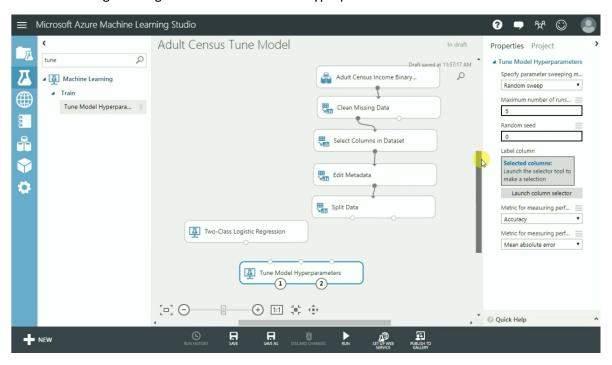


Let take adult census data for predicting the income

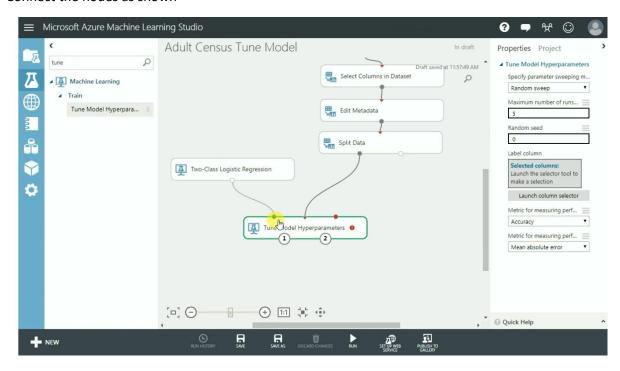


# Datasets for two class logistics regression and tune model hyperparameters

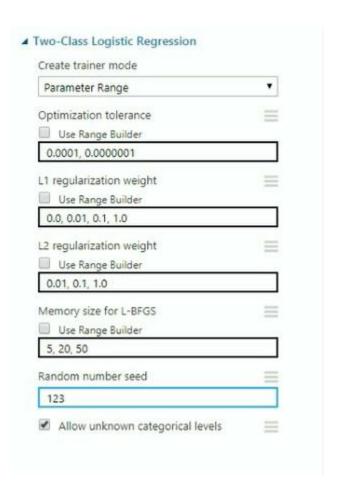
Place two class logistics regression and tune model hyperparameters



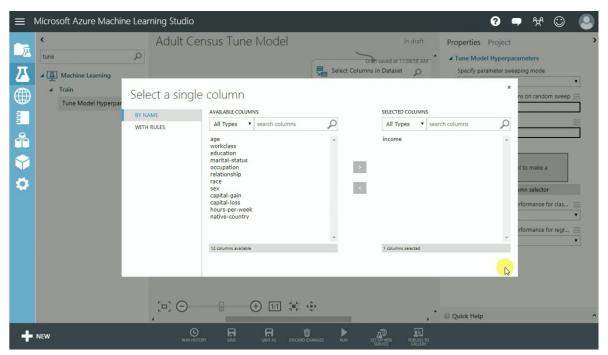
### Connect the nodes as shown



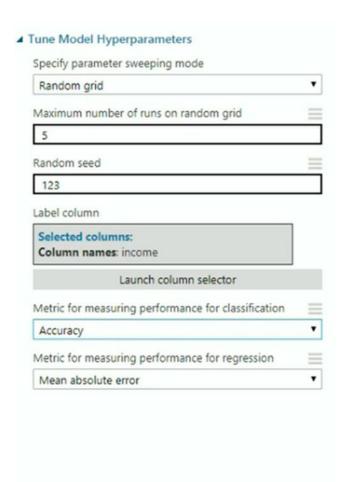
Set parameters for two class logistic regression



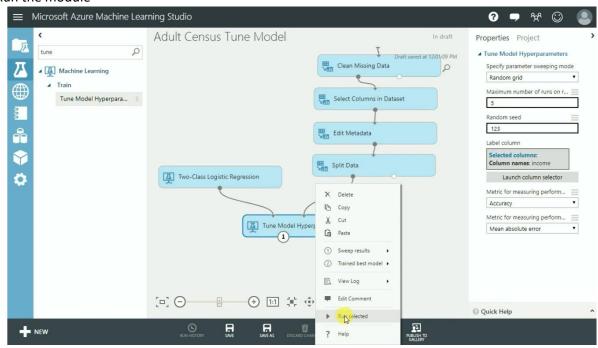
Launch column selector from tune model hyperparameter and select income then click ok

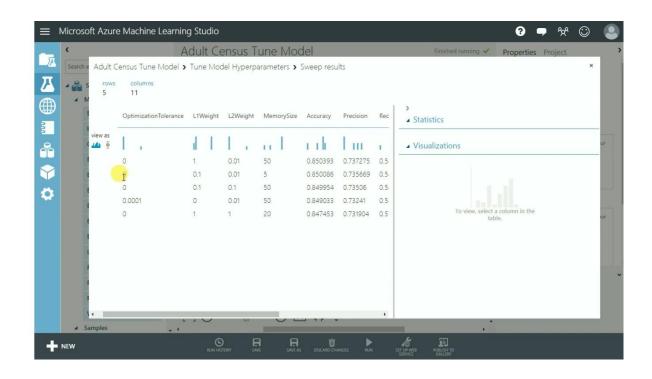


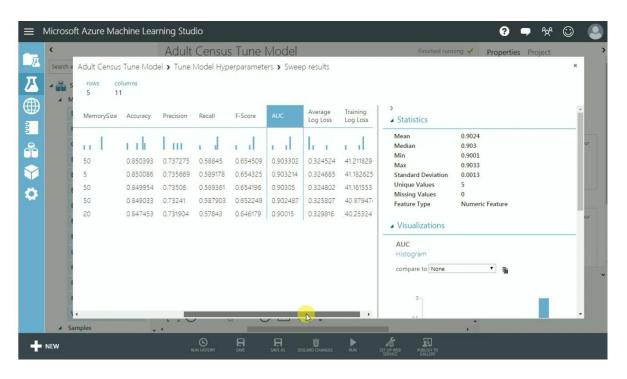
Set parameters for tune model hyperparameters



#### Run the module

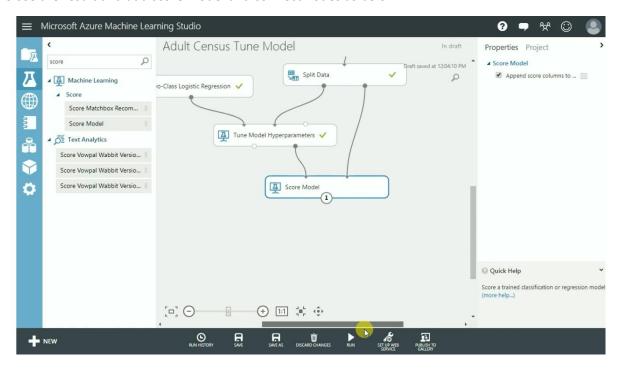






## **Dataset for Score Model**

Close the result and add score model and connect nodes as below



### Run and visualize the result and evaluate if required

