Database Management Systems

Lecture 12

Azure Machine Learning*

Azure Stream Analytics*

Azure Machine Learning

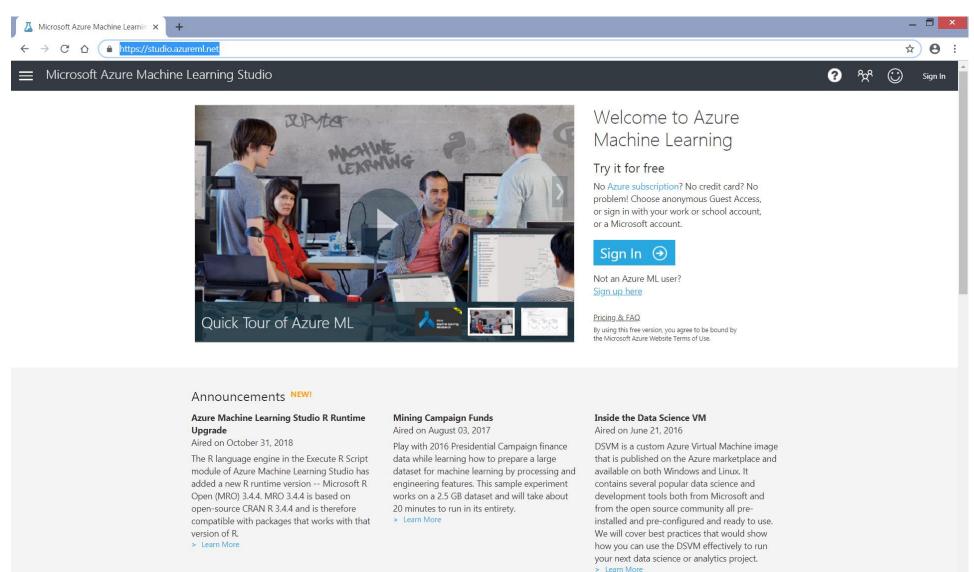
Azure Machine Learning

- build / train / deploy machine learning models
- Machine Learning Studio

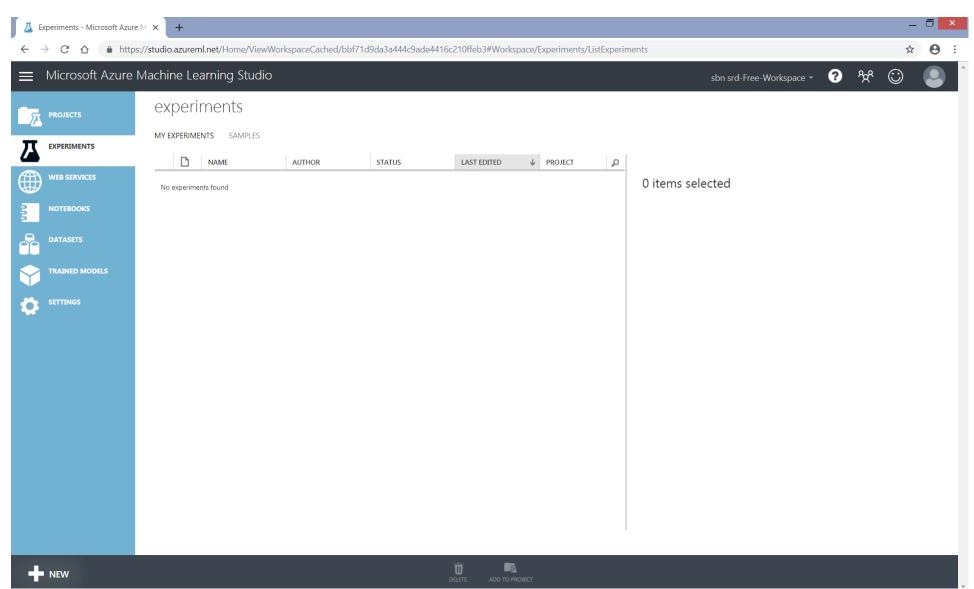
- * Machine Learning Studio
- create the model
 - obtain the data, prepare the data, define the features
- training
 - choose the algorithm, apply the algorithm
- testing the model
 - predict car prices for other vehicles
 - test the quality of the results

Data science Experiment – Car Price Prediction

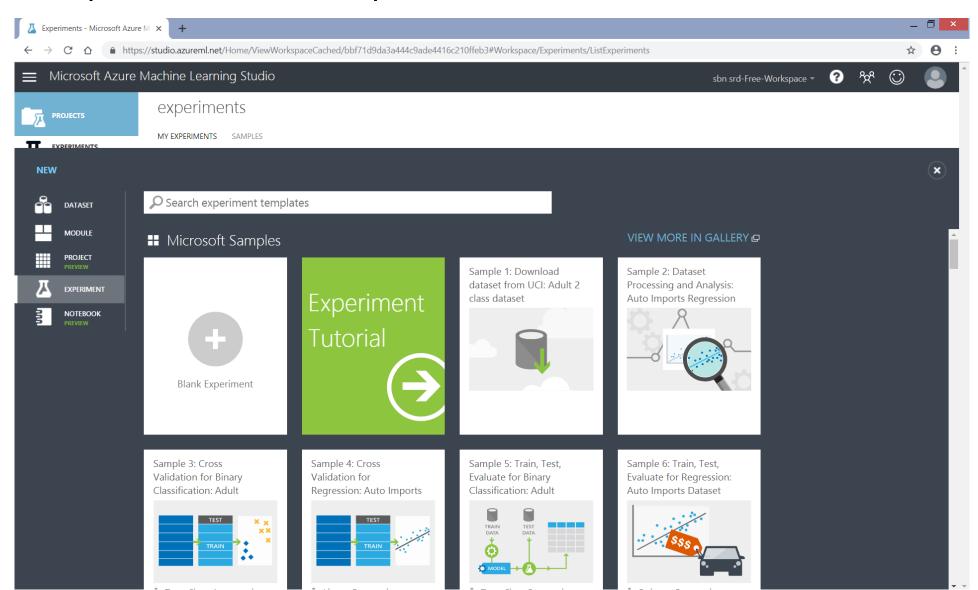
• https://studio.azureml.net/ -> Sign in



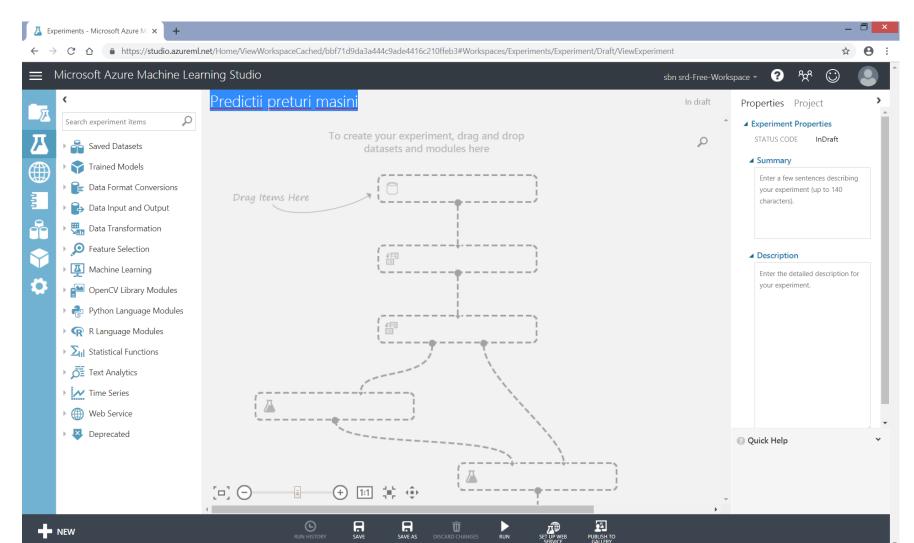
* create an experiment: + New



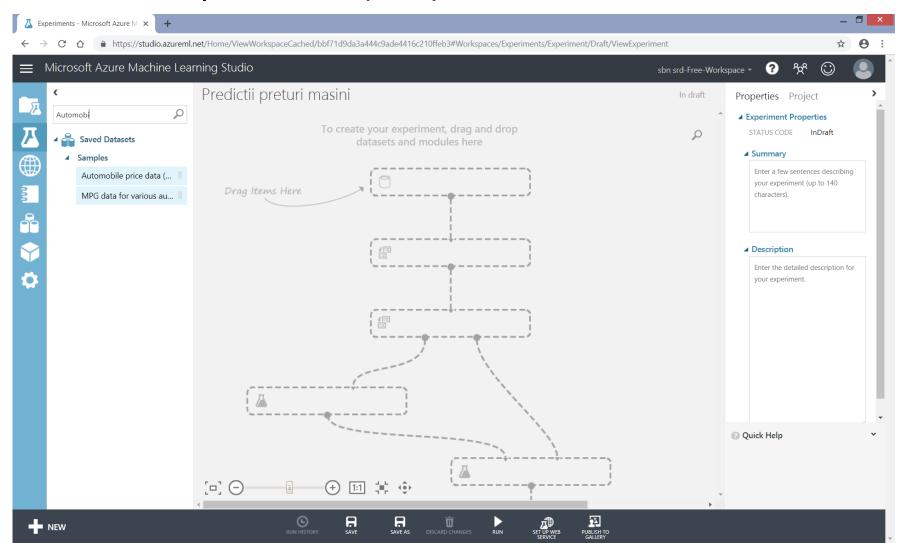
* create an experiment: Blank Experiment



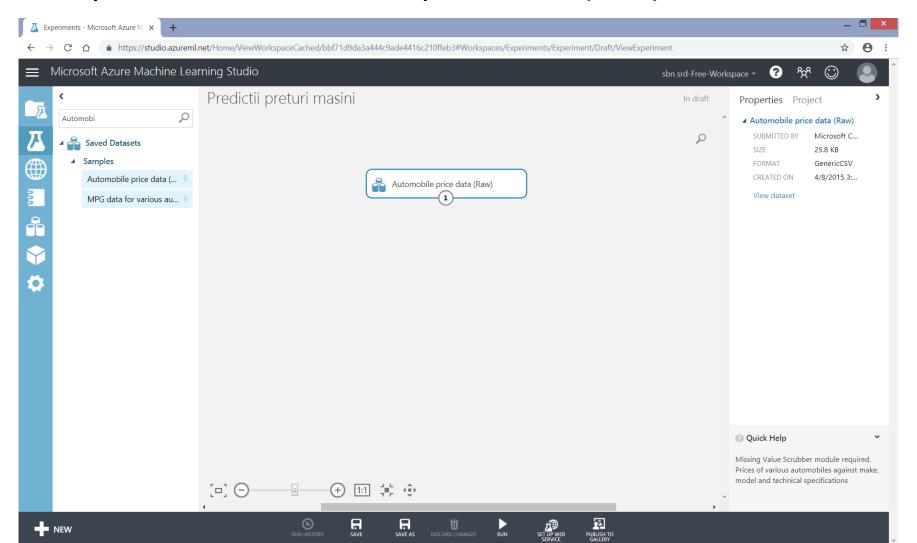
- * create an experiment
 - experiment name



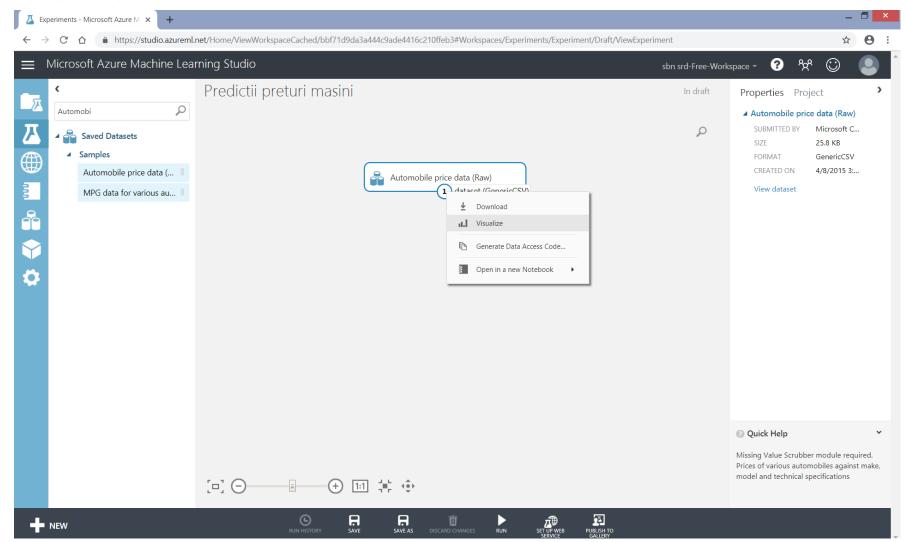
- * selecting the data source
 - dataset Automobile price data (raw)



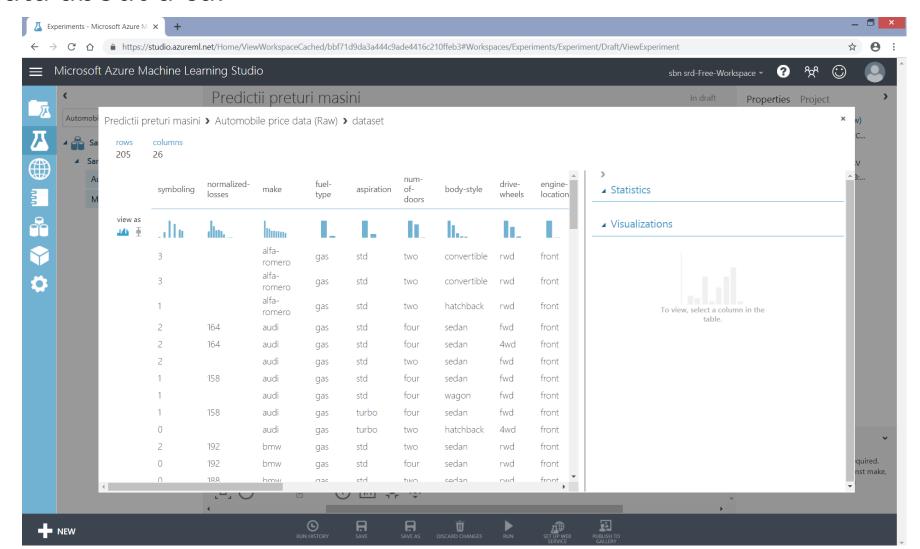
- * selecting the data source
 - drag & drop dataset Automobile price data (raw) onto the canvas



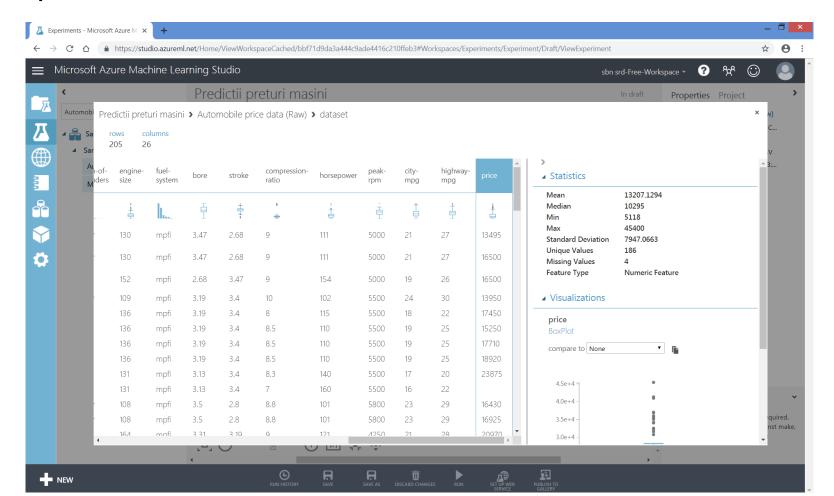
- * displaying the data
 - dataset output port -> Visualize



- * displaying the data
 - row data about a car



- * displaying the data
 - columns variables
 - target column price



- * preparing the data
 - eliminate column with missing values *normalized-losses*

