SESSION AGENDA

- Azure Machine Learning Overview
- Understanding the ML Studio
- Experiment end-to-end
AZURE ML OVERVIEW

- **Fully managed**: No software to install, no hardware to manage, and one portal to view and update.
- **Connected**: Simple drag, drop, and connect interface for both data acquisition and modeling.
- **Best in Class Algorithms + R + Python**: Access to sample experiments, tested algorithms, support for your custom R, and over 350 R packages.
- **Deploy in minutes**: Tool for quick deployment, hand-off, and updates – click “Publish Web Service.”
Azure machine learning is a continuous process, which may require extensive amount of time to finish a proper model and model comparisons.
AZURE ML TASKS
You need to know what you’re looking for with AzureML — and based on that choose proper algorithm for AzureML.
LEARNING TYPES

- Supervised learning is a type of machine learning algorithm that uses known datasets to create a model that can then make predictions. The known data sets are called and include input data elements along with known response values.

- Unsupervised machine learning, the success of the new predictive model depends entirely on the ability to infer and identify patterns, structures, and relationships in the incoming data set. The goal of inferring these patterns and relationships is that the objects within a group be similar to one another—and also different from other objects in other groups.
TIME TO EXPERIMENT

Let’s create an experiment, live ...
**ADDITIONAL READING**

- Free eBook

- Free Azure trial offer at:

- Free Azure Machine Learning Trial offer at:
  - https://studio.azureml.net/Home

- Azure Machine Learning:

- Azure Machine Learning Data Market:

- Azure Machine Learning gallery
  - https://gallery.azureml.net

- Azure Machine Learning blog
  - http://blogs.technet.com/b/machinelearning

- Videos: PASS Data Science Virtual Chapter
  - https://www.youtube.com/channel/UCqB3xWdwjA9soFV6EOu7qfg