KEY POINTS

- The process for creating classification models is similar to that for regression models.
- As with regression models, you can use the **Evaluate Model** module to determine model performance, you can use the **Sweep Parameters** module to train a classification module based on a random selection of parameter settings, and you can use the **Cross Validate** module to ensure that the function and coefficients in the model are generalizable.
- The metrics for evaluating classification model performance are based on statistics for *true positive* (TP), *true negative* (TF), *false positive* (FP), and *false negative* (FN) predictions. These metrics include:
  - Accuracy = TP + TN / (TP + TN + FP + FN)
  - Precision (or positive predictive value) = TP / (TP + FP)
  - Recall = TP / (TP + FN)
  - F1 = Precision * Recall / (Precision + Recall)

FURTHER READING

***Note**: These links take you to external sites outside of the edX course.*

- Classification Models: https://msdn.microsoft.com/en-us/library/azure/dn905808.aspx

Module 4 Review
Homework due Oct 30, 2015 at 00:00 UTC

- Module 5: Recommenders and Publishing Your Work
- Final Exam