Chapter 10

# Applying the Concepts: Excel Instructions

## Detect Anomalies

1. Open a new, blank spreadsheet in Excel.
2. Enter the data into column A.
3. In cell F1, enter the following formula:

=AVERAGE(A1:A13)

1. In cell F2, enter the following formula:

=STDEV.S(A1:A13)

1. In cell B2, enter the following formula:

=(A1-F$1)/F$2

1. Drag the formula in the previous step down to cell B13.
2. Column B now contains the standardized scores.

## Recognize Unsupervised Learning

No tools are used in this Activity.

## Calculate Similarity Using Distance

Computing a distance matrix is not easily possible in Excel currently.

## Choose Variables for Clustering

No tools are used in this Activity.

## Compare Cluster Analysis Results

Currently not available in Excel.

## Examine the Elbow of a Cluster Analysis

Currently not available in Excel.