Use clustering to automatically group rows having similar characteristics.

Hierarchical Clustering

1. From an open JMP® data table, select Analyze > Clustering > Hierarchical Cluster.
2. Select one or more variables from Select Columns and click Y, Columns.
3. If available, select a Label variable.
4. Select the desired method (bottom left corner) and click OK.

JMP will generate:

- A dendrogram, showing the clusters formed at each step.
- A scree plot, showing the distance bridged each step.
- The clustering history, giving cluster statistics for each step.

Tips:

- To color clusters, to mark or save clusters, or to request other options, click the top red triangle.
- To dynamically change the number of clusters, click and drag one of the black diamonds left or right.

K-Means Clustering

1. From an open JMP data table, select Analyze > Clustering > K Means Cluster.
2. Select one or more continuous variables from Select Columns and click Y, Columns (continuous variables have blue triangles). Click OK.
3. In the resulting Control Panel, choose K Means Cluster Under Method.
4. Enter the number of clusters. Click Go.

JMP will generate:

- A summary of the cluster sizes.
- Tables of cluster means and standard deviations for each variable.

Tips:

- To obtain biplots, parallel plots or request other options, click the red triangle for the K Means heading.
- To perform analyses for a range of cluster sizes: In the Control Panel, enter the lower limit in number of clusters and the upper limit in range of clusters, then click Go.
- To step through the formation of the clusters: In the Control Panel, check Single Step then click Go.

Note: For more information on Declutter and additional discussion of these and other clustering methods, search for “cluster” in the JMP Help or see the book Multivariate Methods (under Help > Books).