Mapping in Graph Builder

Use the Graph Builder to create interactive maps of U.S. states, U.S. counties, and worldwide countries and provinces. JMP® ships with these shape files, and you can use other shape files (for example ESRI) or create your own custom maps. See the page Interactive Graphing with Graph Builder for general information on using the Graph Builder.

Basic Mapping

1. From an open JMP data table, select Graph > Graph Builder.
2. Drag a shape variable from the Variables list (for example, State) to the map shape drop zone.
3. Drag variables into other drop zones until the desired map is produced.
4. Use the Undo and Start Over buttons to try several options. Click Done when finished.

The resulting display depends on the modeling type of the variables and the drop zone(s) used. Examples:

- Left: Region (Nominal) was dropped in the Color zone.
- Middle: Total Rate (Continuous) was dropped in the Color zone.
- Right: Total Rate was dropped in the Color zone, and Year (Continuous) was dropped in the Wrap zone.

Tips:

- Right-click on the legend to change the color gradient or transparency.
- Use the Data Filter or Local Data Filter to dynamically select, show and include values of selected variables. The Data Filter, under the Rows menu, is a global filter (selections apply to the data table and all open windows). The Local Data Filter applies to only the active window (from the window red triangle, select Local Data Filter). See “data filter” in JMP Help for additional information.
- If your data set contains latitudinal and longitudinal data, you can add a background map or image. Drag these variables to the Y and X zones, right-click on the graph, select Graph > Background Map and choose the desired image. Double-click on the axes to change the scale to geodesic, add grid lines or make other changes.

Notes: To draw a map, shape files must exist for the shape variable selected. For more information on mapping, such as creating custom maps, using other shape files or working with background maps, search for “creating maps” in JMP Help or in the book Essential Graphing (under Help > Books).