Run Charts (Line Graphs)

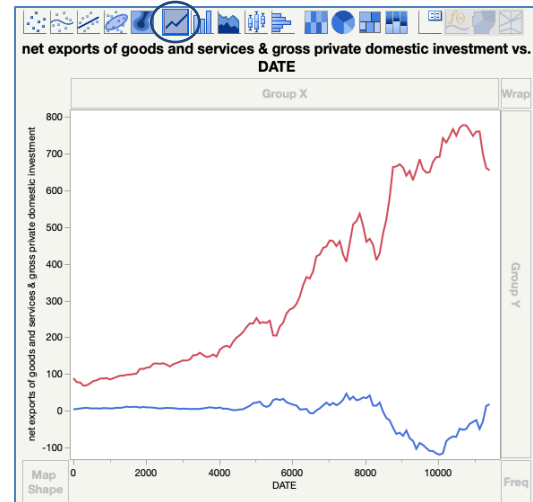Use to display continuous data in time sequence.

Run Charts (Graph Builder)

1. From an open JMP® data table, select **Graph > Graph Builder**.
2. Drag a variable (or multiple variables at once) from the **Variables** list and drop in the **Y zone**.
3. Drag and drop a variable indicating the time ordering in the **X zone**.
4. Click on the **Line icon** in the graph pallet (top middle).
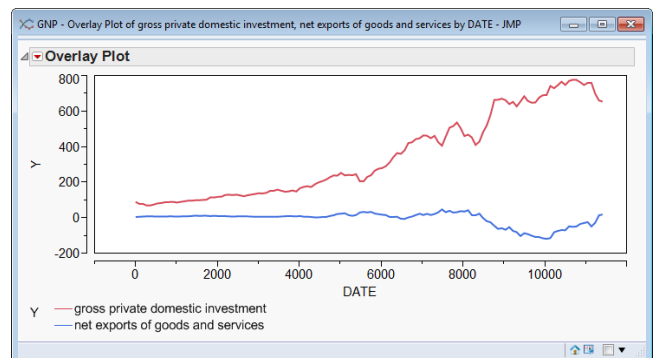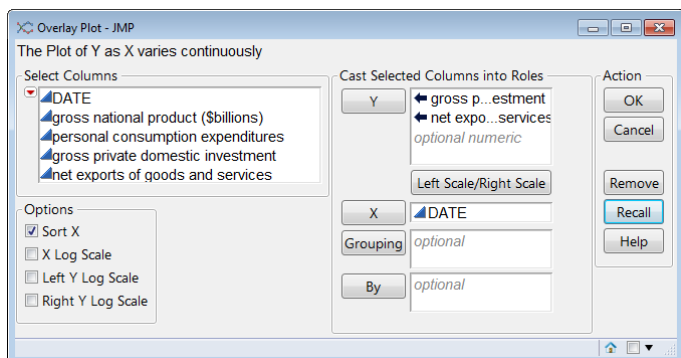5. Click **Done**, and fine tune as desired (see tips below).

Tips:

- Right-click on the legend (before clicking **Done**) to change the line thickness or other line properties.
- Click on the **graph title** or **axis labels** to change, or double-click on an axis to change the **scaling**.
- Click on the **red triangle** next to Graph Builder to re-open the control panel, hide the legend, and more.

GNP.jmp (Help > Sample Data Library > Time Series)

Run Charts (Overlay Plot)

1. From an open JMP data table, select **Graph > Legacy > Overlay Plot**.
2. Select one or more continuous variables from **Select Columns** and click **Y**.
3. If you have a column that indicates time ordering, enter the column into **X**, and click **OK**.
4. Click on the **red triangle** and select **Y Options > Connect Points** to draw a line through the points, and deselect **Y Options > Show Points** to hide the points.
5. Select other **Y Options** or right-click on the graph to change graph properties (select **Line Width Scale** to change the line thickness).

Notes: Run charts can also be produced from the Control Chart platform (**Analyze > Quality and Process > Control Chart > Run Chart**). For more information on creating line graphs or run charts, see the books *Essential Graphing* and *Quality and Process Methods* (under **Help > Books**).