

# Variables Control Charts – I/MR Charts

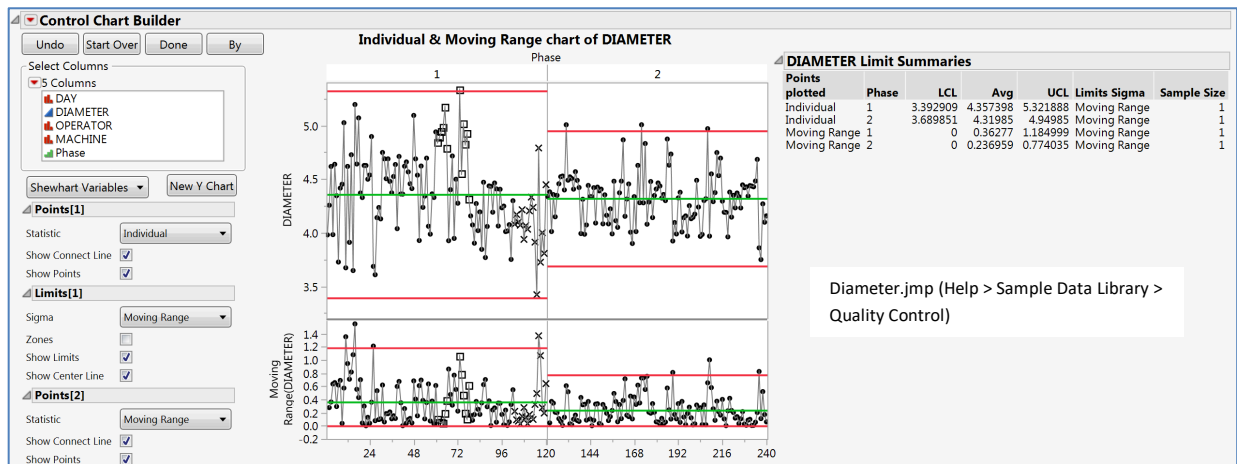
This page provides information on two methods for creating I/MR (Individuals and Moving Range) control charts using the Control Chart Builder and the Control Chart platform (both under **Analyze > Quality and Process**).

## I/MR Charts – Control Chart Builder

1. From an open JMP® data table, select **Analyze > Quality and Process > Control Chart Builder**.
2. Drag a continuous variable from **Select Columns** (continuous variables have blue triangles), and drop it in the **Y zone**.

By default, JMP produces a control limit summaries table and two charts: **Individuals** (Individual Measurements) and **Moving Range** (the moving range between each pair of consecutive points). Right-click on the graph and select **Limits > Sigma** to change the method for estimating the standard deviation.

3. If available, drag and drop a variable in the **Phase zone** (top), and click the **Done** button when finished.

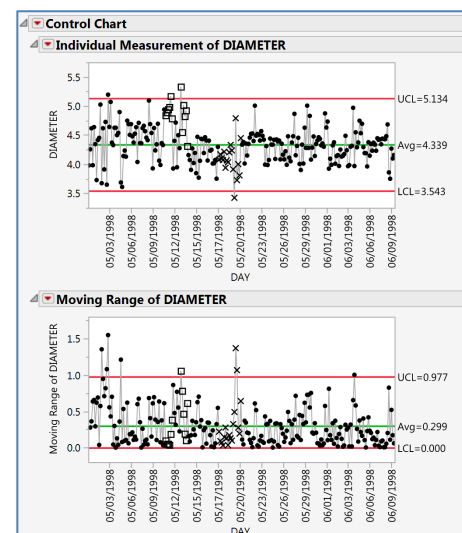


## I/MR Charts – Control Chart Platform

1. From an open JMP data table, select **Analyze > Quality and Process > Control Chart > IR**.
2. Select one or more continuous variables from **Select Columns**, and click **Process**.
3. Select a **Sample Label**, and click **OK**.

Notes:

Additional options, such as **tests** for special causes, are available from the **red triangles** in the Control Chart platform. **Right-click** on the graph in the **Control Chart Builder** for many of these same options.



For information on producing other types of control charts, see the one-page guides under **Quality, Reliability and DOE** at [jmp.com/learn](http://jmp.com/learn). For more details on creating IR charts and using the Control Chart Builder, see the book **Quality and Process Methods** (under **Help > Books**) or search for “control chart” in the JMP Help.