

Variables Control Charts – I/MR Charts

This guide provides instructions for creating I & MR (Individuals and Moving Range) control charts using the Control Chart Builder and the Control Chart platform. I/MR control charts are used to monitor a continuous variable where the data is sampled without subgroups.

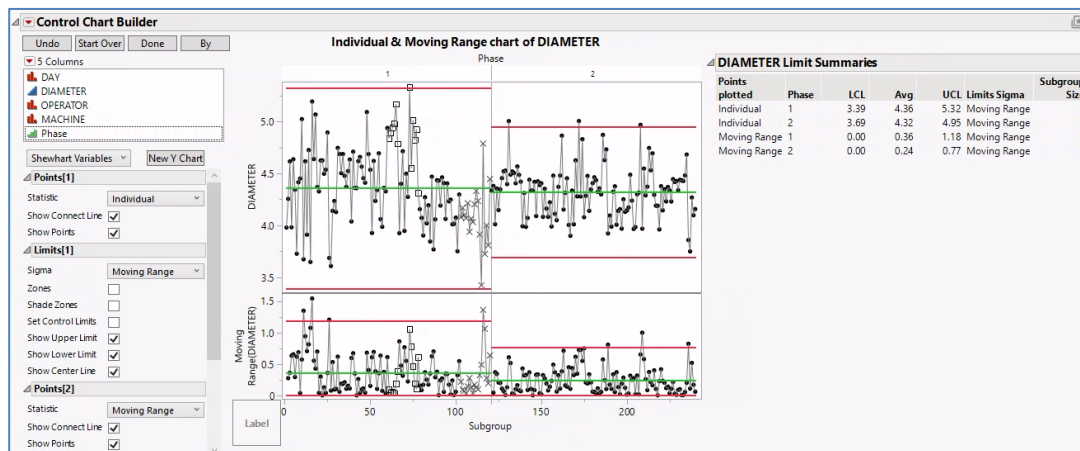
I/MR Charts – Control Chart Builder

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.

Diameter.jmp (Help > Sample Data Folder > Quality Control)

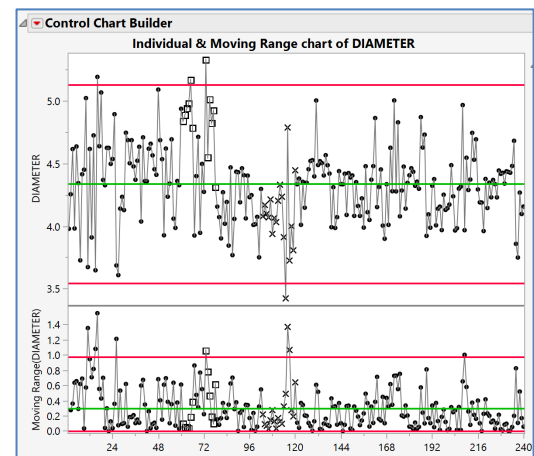


I/MR Charts – Control Chart Platform

1. From an open JMP data table, select **Analyze > Quality and Process > Control Chart > IMR Control Chart**.
2. Select one or more continuous variables from **Select Columns**, and click **Process**. Add a variable defining phases into the **Phase** role if desired. Click **OK**.

Notes:

Additional options, such as **tests** for special causes, are available from the **Red Triangles** in the Control Chart platform (or **Right-click** on the graph in the **Control Chart Builder**).



Visit **Quality and Process Methods > Control Chart Builder** and **Legacy Control Charts** in **JMP Help** to learn more.