

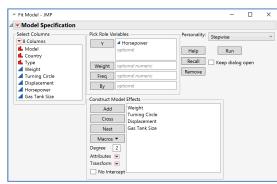
Stepwise Regression

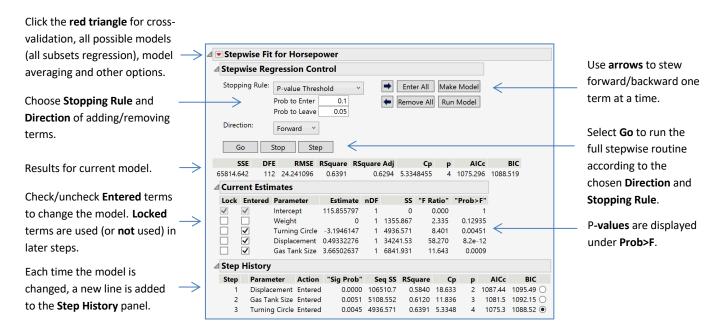
Use to perform automated variable selection in multiple linear or logistic regression models. The method is particular useful when there is a large number of candidate explanatory variables.

Stepwise Regression

- 1. From an open table, select Analyze > Fit Model.
- 2. Select a response variable from **Select Columns** and click **Y**.
- 3. Select predictor variables and click Add.
- 4. If desired, select a validation column (JMP® Pro only).
- 5. Select **Stepwise** from the **Personality** drop-down menu.
- 6. In the resulting **Stepwise Fit** window (shown below):
 - Select a **Stopping Rule**.
 - Select the step **Direction** (forward, backward or mixed).
 - To run the regression automatically, click Go. To proceed manually, click Step.

Car Physical Data.jmp (Help > Sample Data Library)





- For Forward regression, remove all terms, then click Step or Go.
- For **Backward** regression, enter all terms, then click **Step** or **Go**.
- The **Mixed** direction is only available with the p-value stopping rule.
- To run the model shown in the Current Estimates table, click Run Model.
 JMP generates the Fit Model report.
- See the Multiple Linear Regression or Multiple Logistic Regression one-page guides for more details.