Random Sampling and Random Data

This page documents methods for selecting a random sample and generating random data in JMP®.

Random Sampling

1. From an open JMP data table, select Tables > Subset.
2. Specify how you’d like the sample to be selected:
   - Random – sampling rate (specify the proportion).
   - Random – sample size (specify the desired sample size).
   - To select a stratified sample across another variable, check Stratify and select the variable.
3. Under Columns, specify All columns or Selected columns.
4. Click OK to generate the random sample.

Generating Random Data

Manually Create Formula:

1. Select Cols > New Column.
2. Under Column Name, assign a name for the column. We’ll name our column Random Normal.
3. Click Column Properties, and select Formula. This takes you to the JMP Formula Editor.
4. Click on the gray icon next to Random in the function list on the left, and select the distribution of interest. Here, we will select Random Normal.
5. Click OK.

JMP will populate the new column with simulated random normal data.

Instant Formula:

Right click any continuous column in the data table and select New Formula Column > Random > Random Normal.

A new column containing a formula will be added to the data table. To reveal or modify the formula, right click on the column header for the new column and select Formula.