

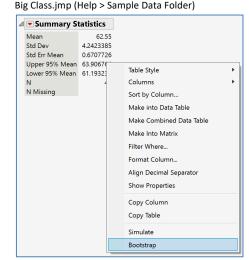
## **Bootstrapping**

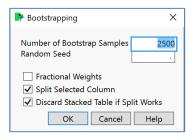
This guide provides instructions on the bootstrapping technique – a resampling method for estimating the sampling distribution of a statistic as a means to generate a confidence interval. Bootstrapping is available from many JMP reports.

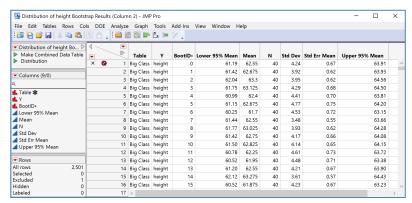
## **Bootstrapping in JMP Report Windows**

- 1. From an analysis platform report window, **right-click** on the report of interest and select **Bootstrap**.
  - In this example we use the Distribution platform and bootstrap the statistics in the Summary Statistics report for the continuous variable 'Height'.
- 2. In the Bootstrapping window (below, left), enter the desired number of bootstrapped samples and click **OK**.

JMP creates a data table (below, right) with statistics for the original sample (excluded) and each of the bootstrap samples. The BootID• column identifies the bootstrap sample number.



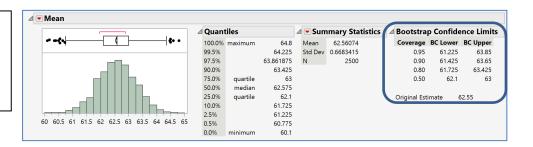




3. Use the **Distribution** platform to explore the statistics of interest for the bootstrap samples. Bootstrap percentile confidence intervals for different confidence levels are provided.

Hint: Click on the green triangle next to **Distribution** in the top left panel of the Bootstrap Results data table to launch the Distribution platform for all bootstrapped estimates.

Note: The Summary Statistics table was customized (under the Red Triangle) to only display the Mean, Std Dev, and N.



Visit Basic Analysis > Bootstrapping in JMP Help to learn more.