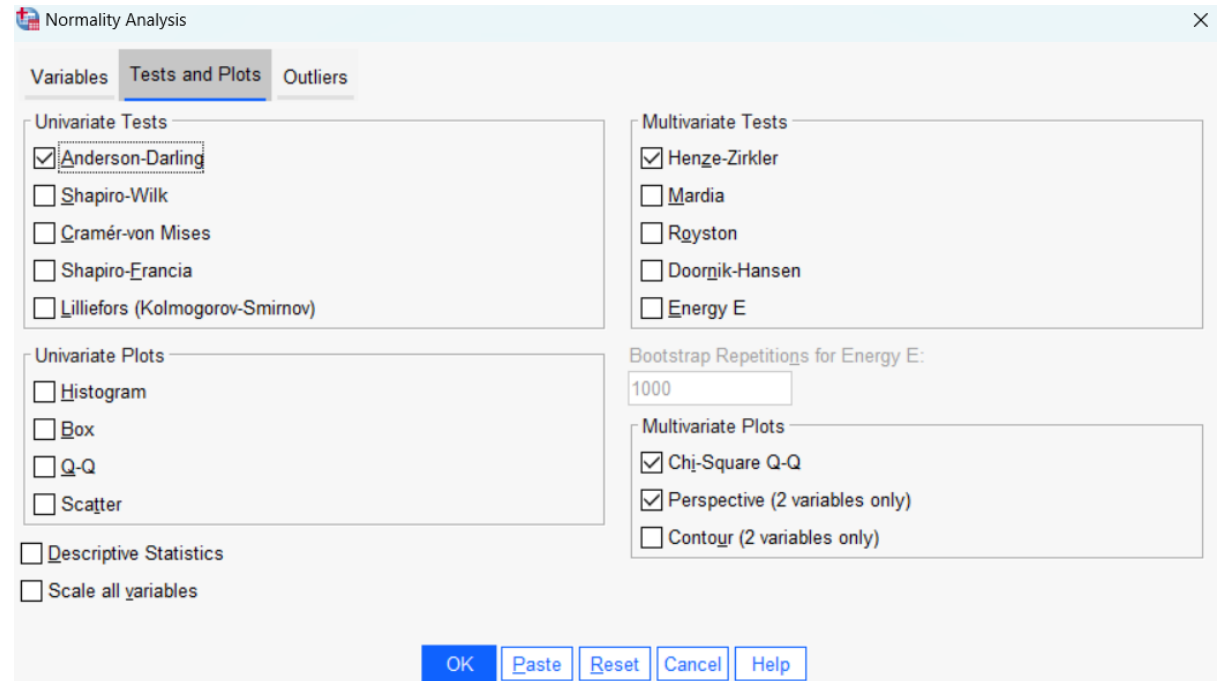


Normality Analysis

Tech Tips – IBM SPSS Statistics

Normality Analysis

- New in **IBM SPSS Statistics Version 30**
- Provides Univariate and Multivariate tests of normality for a set of variables (minimum 2 variables).
- Multiple test statistics with plots
- Outlier analysis also available
- Install from the **Extensions** menu



The screenshot shows the 'Normality Analysis' dialog box with the 'Tests and Plots' tab selected. The 'Variables' tab is also visible. The 'Outliers' tab is not selected.

Univariate Tests

- ☒ Anderson-Darling
- ☐ Shapiro-Wilk
- ☐ Cramér-von Mises
- ☐ Shapiro-Francia
- ☐ Lilliefors (Kolmogorov-Smirnov)

Univariate Plots

- ☐ Histogram
- ☐ Box
- ☐ Q-Q
- ☐ Scatter

☐ Descriptive Statistics

☐ Scale all variables

Multivariate Tests

- ☒ Henze-Zirkler
- ☐ Mardia
- ☐ Royston
- ☐ Doornik-Hansen
- ☐ Energy E

Bootstrap Repetitions for Energy E: 1000

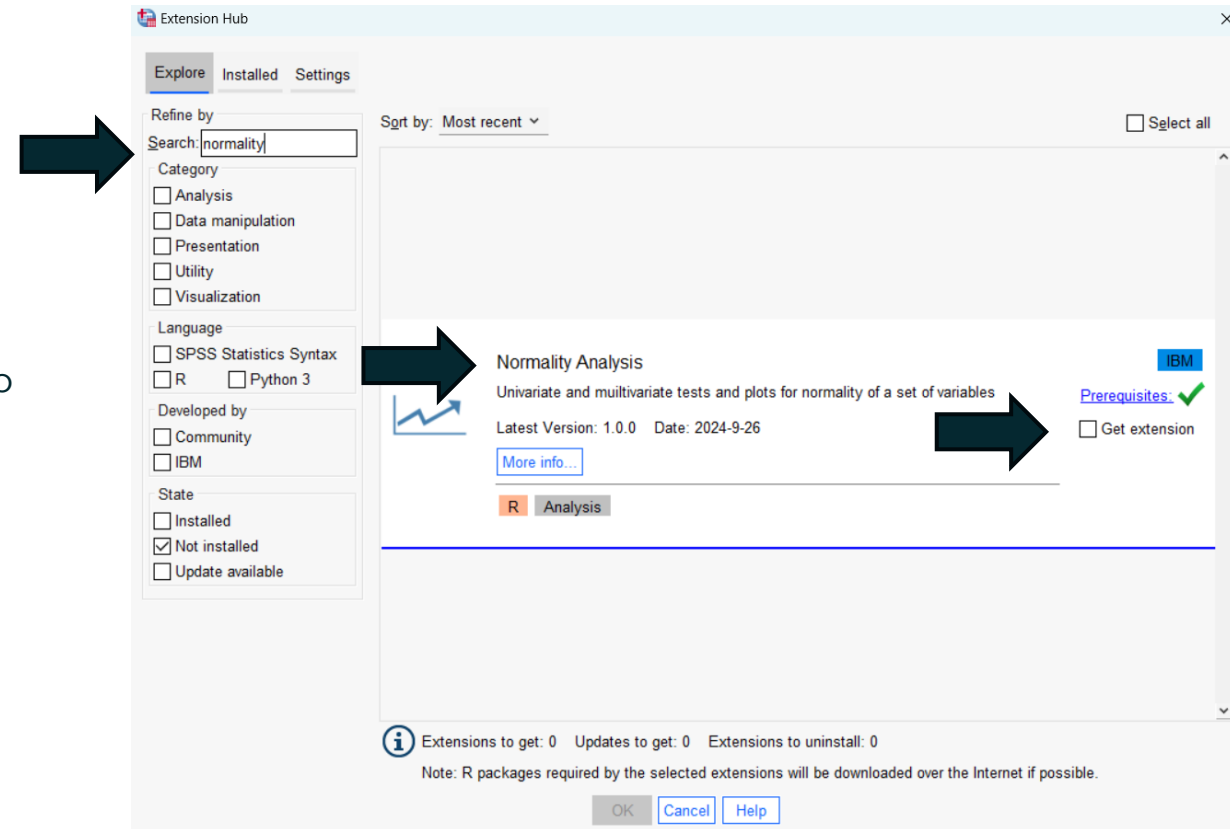
Multivariate Plots

- ☒ Chi-Square Q-Q
- ☒ Perspective (2 variables only)
- ☐ Contour (2 variables only)

Buttons: OK, Paste, Reset, Cancel, Help

Before You Start

- Go to **Extensions** menu and select **Extension Hub**
- Search for 'Normality'
- This will pull up **Normality Analysis**
- Select '**Get Extension**'
- Accept license terms and the program will be installed
- You will receive a message in that lets you know where to find it



Dialog(s) for Normality Analysis extension installed to:

Analyze
Descriptive Statistics
Normality Analysis



Thank You

For more information
Please visit www.spssanalyticspartner.com