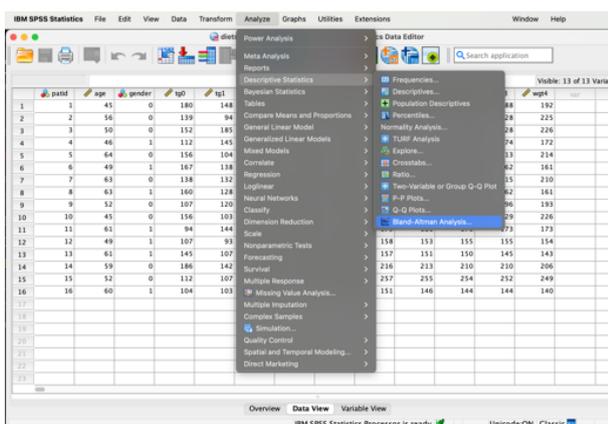The IBM SPSS Statistics 30.0.0 comes to you with a new analysis procedure, extensions, feature enhancements, performance improvements, bug fixes, deprecation notice and security updates. This blog shall walk you through the main offerings of this latest version.

Bland Altman Analysis

Bland-Altman analysis is a non-parametric method used to evaluate the agreement between two measurements. This analysis is commonly used to compare a new measurement method against another one or a reference standard. The method involves plotting the differences between the two measurements on the ordinate (Y) axis against the corresponding values on the abscissa (X) axis. The resulting plot is called a Bland-Altman plot.

The Bland-Altman plot shows the difference between the two measurements as a function of the mean value. Points that lie above the line indicate that the second measurement tends to be higher than the first, while points below the line indicate that the second measurement tends to be lower than the first.

To run the Bland Altman Analysis, go to Analyze > Descriptive Statistics > Bland Altman Analysis...

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Normality Tests and Plots

Normality tests are used to determine whether a data set follows a normal distribution, and to assess the degree of departure from normality. Univariate normality tests check whether a single variable follows a normal distribution, while multivariate normality tests check whether multiple variables follow a joint normal distribution.
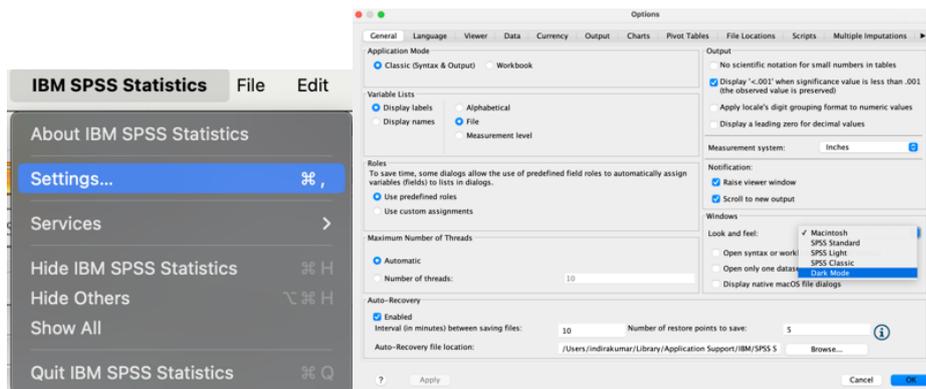
Normality analysis in the IBM SPSS Statistics 30.0.0, is added as a built-in extension which includes new, existing, and enhanced tests and plots, all in one place. You can download the Normality Analysis extension from the Extension Hub.

To use the Normality analysis tests and plots, go to Analyze > Descriptive Statistics > Normality Analysis

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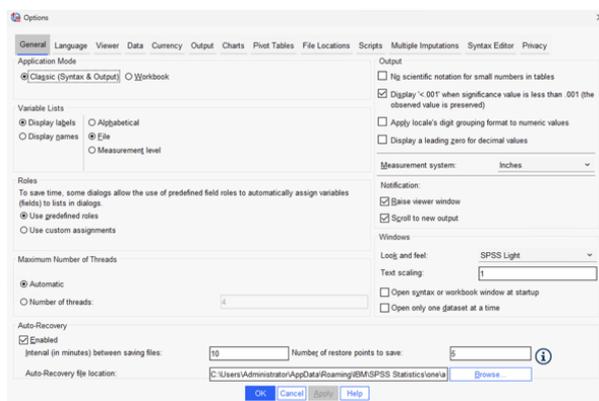and for students worldwide*

Features enhancements

Dark Mode Feature: IBM SPSS Statistics 30.0.0 is now available in dark mode. In the settings, go to 'Look and feel', and select 'Dark Mode' from the drop-down menu.

Improvement on 4k HD Monitor for Windows: The Text scaling field that is added to the General settings, allows users to change the font size in high-resolution display monitors in Windows. This resolves the fuzziness of font while users view charts in high-resolution monitors.

Redesigned status bar and enhanced toolbar icons

- The processor pane now has a new option to stop the processor if it is busy. In the event of a crash, you are prompted to confirm restarting the application.
- Click the active OMS Pane to trigger a confirmation dialog to stop the OMS processes.
- Click the filter pane and user confirmation is requested to remove any active filters
- If you have multiple open windows, click Designate Window to set a Syntax window, Output window, or Workbook window as the designated window.

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Changes in Store File To Repository option: Store File To Repository is available only for the drop-down file extension formats .sav and .zsav in distributed mode and single seat mode on Mac and Windows.

New app icons in MAC
New app icons are launched for SPSS Statistics, Python, R, and Student Integrated version.

Deprecation
Version 30.0.0 onwards, Open SSL 1.1 is deprecated and support for the version will be removed from future releases.

Apart from the above, IBM SPSS Statistics, version 30.0.0, also includes JRE & R upgrades and quite a few fixes.

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