SPSS Modules Features – Statistics Standard

Core System Functionality (included in every license)

Data access and management

- Data Prep features: Define Variable properties tool; copy data properties tool, Visual Bander, Identify Duplicate cases; Date/Time Wizard
- Data Restructure Wizard
  - single record to multiple records
  - multiple records to single record
- Direct Excel data access
- Export data to SAS and current versions of Excel
- Export to Database Wizard
- Import/export to/from Dimensions
  - (mr Interview and mr Heritage products)
- Long Variable names
- Longer value labels
- Multiple datasets can be run in one SPSS session
- ODBC Capture - DataDirect Drivers
- OLE DB data access
- SAS 7/8/9 data files including compressed files)
- Text Wizard
- Unicode support
- Very long text strings

Graphs

- Auto and Crosscorrelation Graphs
- Basic Graphs
- Chart Gallery
- Chart Looks
- ChartBuilder UI for commonly used charts
- Charts for multiple response variables
- Graphics Production Language for custom charts
- Interactive Graphs - Scriptable
- Overlay and dual Y charts
- Panelled charts
- ROC analysis
- Time Series Charts

Output

- Case Summaries
- Codebook
- Enhanced control over output when exporting to MS Office
- Export model as XML to SmartScore
- Export to PDF
- Export to Word/Excel/PowerPoint
- HTML output
- Improved performance for Large Pivot Tables
- OLAP Cubes/Pivot Tables
- Output Management System
- Output Scripting

- Reports Summaries in Rows & Columns
- Search and replace
- Smartreader
- Table to Graph Conversion

Data Editor

- Custom Attributes for user-defined meta data
- Spell Checker
- Splitter controls
- Variable Sets for wide data

Help

- Application Examples
- Index
- Statistics Coach
- Tutorial

Extended Programmability

- Custom UI Builder enhancements (work seamlessly with Python and R, and can be used in Modeler)
- Flow control or syntax jobs
- Partial Least Squares regression
- Python for front end scripting
- SPSS equivalent of the SAS DATA STEP
- Support for R algorithms and graphics
- User defined procedures

Syntax Editor – only XMLs for supported commands

SPSS Statistics Base

Statistics

- ANOVA
- Cluster
- Correlate- bivariate, partial, distances
- Crosstabs
- Define variable sets
- Descriptive Ratio Statistics (PVA)
- Descriptives
- Discriminant analysis
- Enhanced Model Viewer On Two-Step
- Cluster and New Non-parametrics
- Explore
- Factor analysis
- Frequencies
- Improved performance for Frequencies,
- Crosstabs, Descriptives (Statistics Base Server)
- Matrix Operations
- Means
- Nearest Neighbour Analysis
- New Non-Parametric Tests one way ANOVA
- Ordinal Regression (PLUM)

- Ordinary Least Squares Regression
- PP Plots
- QQ Plots
- Ratio
- Reliability and ALSCAL multidimensional scaling
- ROC Curve
- Rule Checking on Secondary SPC Charts
- Summarize data
- T Tests - Paired Samples, Independent Samples, One-Samples
- Two-Step Cluster: categorical and continuous data/large data sets

Graphs

- Legacy Chart Dialogs

Multithreaded algorithms

- SORT

Syntax editor

SPSS Regression

- Core System Capabilities
- Binary Logistic Regression
- Logit Response Models
- Multinomial Logistic Regression
- Nonlinear Regression
- Probit Response Analysis
- Two Stage Least Squares
- Weighted Least Squares

SPSS Advanced Statistics

General Linear Modelling (GLM)

- General Factorial
- Multivariate (MANOVA in syntax only)
- Repeated Measures
- Variance Components

Generalised Linear Models and Generalised Estimating Equations

- Gamma Regression
- Poisson Regression
- Negative Binomial

GENLOG for Loglinear and Logit

Hierarchical Loglinear Models

Kaplan Meier

Linear Mixed-level Models (aka Hierarchical Linear Models)

Survival

Variance Component Estimation