SPSS Modules Features – Statistics Base

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**