

R, SAS, SPSS Comparison Table (due to Bob Muenchen)

Topic	SAS Product	SPSS Product	R Package
Advanced Models	SAS/STAT	SPSS Advanced Models(tm)	R
Automated Data Preparation	None	SPSS Data Preparation(tm)	None?
Automated Forecasting	SAS Forecast Studio	DecisionTime/WhatIf(tm)	None?
Basics	SAS	SPSS Base(tm)	R
Conjoint Analysis	SAS/STAT: Transreg	SPSS Conjoint(tm)	Acepack?
Correspondence Analysis	SAS/STAT: Corresp	SPSS Categories(tm)	Homals, MASS, FactoMineR, ade4, PTak, ccoresp, vegan, made4,PsychoR
Custom Tables	Base: Proc Tabulate	SPSS Custom Tables(tm)	reshape
Data Mining	Enterprise Miner	Clementine	Rattle
Exact Tests	SAS/STAT: various	SPSS Exact Tests(tm)	exactLoglinTest
Genetics	SAS/Genetics, SAS/Microarray Solution, JMP Genomics	None	Bioconductor
GIS/Mapping	SAS/GIS	SPSS Maps(tm)	maps
Graphical User Interface	Enterprise Guide	SPSS	JGR, R Commander, pmg, Sciviews
Graphics	SAS/GRAPH(r)	SPSS Base(tm)	R, ggplot
Guided Analysis	SAS/LAB	None	None
Matrix/Linear Algebra	SAS/IML(tm), SAS/IML Workshop	SPSS Matrix(tm)	R
Missing Values Imputation	SAS/STAT: Proc MI	SPSS Missing Values Analysis(tm)	aregImpute (Hmisc), fit.mult.impute (Design)
Mixed Models	Proc Mixed	SPSS Advanced Models	lmer
Operations Research	SAS/OR	None	TSP
Power Analysis	SAS/STAT: Power, GLM Power	SamplePower(tm)	asypow, powerpkg, pwr
Regression Models	SAS/BASE	SPSS Regression Models(tm)	R
Sampling, Nonrandom	SAS/STAT: surveymeans, etc.	SPSS Complex Samples(tm)	survey
Structural Equations	SAS/STAT: Calis	Amos(tm)	sem
Text Analysis	Text Miner	SPSS Text Analysis for Surveys(tm)	tm
Time Series	SAS/ETS(tm)	SPSS Trends(tm)	ArDec, brainwaver, dyn, fame, Systemfit, tsDyn, tseries, tseriesChaos, tsfa, urca, uroot
Trees, Decision or Regression	Enterprise Miner	SPSS Classification Trees(tm), AnswerTree(tm)	tree, rpart
Visualization	SAS/INSIGHT	None	rggobi, GGobi