IBM SPSS Regression

The IBM SPSS Regression module contains a wide range of nonlinear regression models that augment the linear regression functionality in SPSS Base.

- Regression is a family of classical predictive techniques all of which involve fitting (or *regressing*) a line or curve to a series of observations in order to model effects or predict outcomes.

- IBM SPSS Regression is often used in situations where the Linear Regression functionality in SPSS Statistics Base is either inappropriate or is too simplistic

- *Logistic Regression* is a very widely-used technique for predicting categorical outcomes. In IBM SPSS Regression there are two forms of Logistic regression:

  – Binary Logistic – for predicting 2 category outcomes

  – Multinomial Logistic – for predicting more than 2 category outcomes

- IBM SPSS Regression also contains:

  – Nonlinear regression and Constrained Nonlinear Regression

  – Probit, Weighted Least Squares and Two Stage Least Squares