

Commonly used SAS procedures for LDA:

1. PROC GLM

The GLM procedure uses the method of least squares to fit general linear models for the continuous outcome data. It can perform regression, analysis of variance, analysis of covariance, multivariate analysis of variance, and partial correlation.

2. PROC LOGISTIC

The LOGISTIC procedure fits linear logistic regression models for binary response data by the method of maximum likelihood.

3. PROC CATMOD

The CATMOD procedure provides a wide variety of categorical data analyses, such as linear models to functions of response frequencies, log-linear modeling, logistic regression, and repeated measurement analysis etc.

4. PROC GENMOD

The GENMOD procedure can fit models to correlated responses by the GEE method. The GENMOD procedure fits generalized linear models that is an extension of traditional linear models that allows the mean of a population to depend on a linear predictor through a nonlinear link function and allows the response probability distribution to be any member of an exponential family of distributions.

5. PROC MIXED

The MIXED procedure fits random-effects models and a variety of mixed linear models to data and enables you to use these fitted models to make statistical inferences about the data. A mixed linear model is a generalization of the standard linear model used in the GLM procedure, the generalization being that the data are permitted to exhibit correlation and nonconstant variability.

Useful link for introduction of SAS:

<http://biosun01.biostat.jhsph.edu/~lchoi/survival/SAS.doc>