Introduction to SAS PROC MIXED

Abstract
The purpose of this document is to provide an introduction to PROC MIXED through the use of several examples. These examples will focus on two models: one way ANOVA and repeated measures ANOVA that are common to studies done in Noll Laboratory at Penn State University. We will present the commands and output using PROC MIXED for running these models, checking the diagnostics, and performing multiple comparisons. SAS Version 6.11 was used to create the programs and output for this document. See the Appendix for discussion of changes in PROC MIXED in SAS Version 6.12.