

Tentative Course Outline

Date	Topics	Assignments	Reading
Aug 27	Introduction, Matrix algebra 1		1, 2, Supp 1
Sep 03	Software, Linear regression		3
Sep 10	Linear regression (matrix)	HW1 due, Quiz 1	3
Sep 17	Linear regression (matrix)		3
Sep 24	Analysis of covariance (ANCOVA)		4
Oct 01	Maximum likelihood	HW2 due, Quiz 2	Supp 2
Oct 08	Missing data		Supp 3
Oct 15	Matrix algebra		Supp 1
Oct 22	Principal components analysis (PCA)	HW3 due, Quiz 3	9
Oct 29	Factor analysis (FA)		9
Nov 05	Factor analysis (FA)		9
Nov 12	Multivariate ANOVA (MANOVA)	HW4 due, Quiz 4	5
Nov 19	Repeated measures		5
Nov 26	Multilevel (mixed) models		8
Dec 03	Outliers? Logistic regression?	HW5 due, Quiz 5	TBD
Dec 10	NO FINAL EXAM		

Supplementary readings will be available on Blackboard

Supp 1: Tabachnick & Fidell, Appendix 1

Supp 2: Enders (2005)

Supp 3: Baraldi & Ender (2010)