

Monday December 12th	Tuesday December 13th	Wednesday December 14th	Thursday December 15th	Friday December 16th
9.00 – 10.00 Review of Regression Modeling in Epidemiology	9.00 – 9.30 Hierarchical Data Models	9.00 – 9.30 Random Intercept Models with Covariates	9.00 – 9.30 Marginal Models	9.00 – 9.30 Random Effects Poisson Regression Models
10.00- 10.30 Mean Square Error and Bias/Variance Trade-Off	9.30- 10.00 Random Effects ANOVA	9.30- 10.00 Between and within effects of Level-1 covariates	9.30- 10.00 Models for Categorical Responses	9.30- 10.00 Random Effects Negative Binomial Regression Model
10.30-10.45 Break	10.00-10.30 Fixed Versus Random Effects	10.00-10.30 Cluster-level confounding	10.00-10.30 Random Intercept Logistic Regression	10.00-10.30 Random Effects Cox Proportional Hazards Model
10.45-11.15 James-Stein and Empirical Bayes Shrinkage	10.30-10.45 : Break	10.30-10.45 : Break	10.30-10.45 : Break	10.30-10.45 : Break
11.15-11.45 Non-Collapsibility of the Odds Ratio	10.45-11.15 Empirical Bayes Prediction	10.45-11.15 Hausman Test for Endogeneity	10.45-11.15 Median Odds Ratio	10.45-11.15 Discussion of Hubbard et al 2011
11h45-12h15 Marginal versus Conditional Estimators	11.15-11.45 Parameter Estimation and Model Fitting	11.15-11.45 Random Coefficient Models	11.15-11.45 Predicted Probabilities from Categorical Models	11.15-11.45 11h45-12h45 Questions/Answers/Summary
12.15-12.45 Simpson’s Paradox and Selection Bias	11h45-12h15 Intraclass Correlation Coefficient	11h45-12h15 Review of Effect Heterogeneity	11h45-12h15 Multilevel Fixed Effects	
	12.15-12.45 Discussion of Merlo et al 2006a	12.15-12.45 Discussion of Merlo et al 2006b	12.15-12.45 Discussion of Schempf & Kaufman 2012	
1.00 PM : Lunch	1.00 PM : Lunch	1.00 PM : Lunch	1.00 PM : Lunch	1.00 PM : Lunch
2.00 PM Practice Dr J. Kaufman T Benmarhnia, PhD student	2.00 PM Practice Dr J. Kaufman T Benmarhnia, PhD student	2.00 PM Practice Dr J. Kaufman T Benmarhnia, PhD student	2.00 PM Practice Dr J. Kaufman T Benmarhnia, PhD student	2.00 PM Final Exam Dr Jay Kaufman
5.30 PM	5.30 PM	5.30 PM	5.30 PM	5.30 PM