

Categorical Data Analysis --- Fall 2011 Survey

Name _____

Please rate your expertise on the following dimensions.

0 = No experience with this topic

1 = I know a little about this topic (could write a page)

2 = I know a moderate amount about this topic (could write a few pages)

3 = I know a lot about this topic (could write half a chapter or more)

_____ Data Analysis using R

_____ Binomial, Multinomial Distributions

_____ Poisson, Negative Binomial Distributions

_____ Statistical Inference (e.g., Wald vs. Likelihood ratio)

_____ Definitions (e.g., risk vs. odds, marginal vs. conditional probability)

_____ Chi-square test for independence

_____ Generalized Linear Model (e.g., random, systematic, link components)

_____ Logistic Regression (when to use, relation to generalized linear model)

_____ Logistic Regression (interpretation of results)

_____ Logistic Regression (model fit, effects of sparse data, power)

_____ Logit models for Nominal Responses (baseline category logits)

_____ Cumulative Logit model for Ordinal Responses

_____ Adjacent-Category, Continuation Ratio Models for Ordinal Responses

_____ Loglinear Models

_____ Differences/Similarities of Loglinear Models and Logistic Regression

_____ Models for a match pair of questions

_____ Generalized Linear Mixed Models

_____ Extensions (Item Response Theory, Categorical Data Analysis with SEM, etc)