

Review Sheet for Final Exam
POS 3713 - Spring 2007 (Dr. Hensel)

You will have the scheduled class period to complete the exam. No books or notes will be allowed, except for the materials that are provided for you. **You are encouraged to bring a calculator to use on the exam.**

- The exam covers FNLG chapters 6-8 and 13-14, J&R chapters 13-14, and all material covered in the lecture notes. The questions will include 20 multiple-choice questions and 10 that involve interpretation and/or simple calculations. A sheet of formulas will be provided for you, along with the relevant statistical tables.
- Note that no bathroom breaks are permitted during the exam -- once you leave the room, you can't return. Also, be on time -- once the first person finishes and leaves the room, nobody else can enter.

General Material to Review:

- Be sure to review the "Main Points" section at the end of each chapter in FNLG
- Know how to construct a bivariate table (which variable goes where, cell contents, marginals, etc.)
- Know how to assess the association between variables using column percentages
- Know how and why to "elaborate" tables
- Know how to calculate and interpret the measures of association we discussed in class, as well as when and why to use each one (for nominal, ordinal, interval, and ratio variables)
- Know how to construct and interpret a scatterplot
- Know how to calculate the slope and intercept for a bivariate regression line
- Know how to interpret the results of both bivariate and multivariate regression (including calculations of the expected value of Y for certain values of X, or the expected change in Y that result from certain changes in X)

Sample Questions:

- The FNLG book includes frequent "Learning Check" boxes in most sections of most chapters, which you should find to be very helpful in reviewing the material.
- The FNLG book includes a number of sample questions at the end of each chapter. An appendix to this book (beginning on p.523) includes the answers to all of the odd-numbered question, so those offer another useful way to test yourself.
- The FNLG book also has a web site with more sample questions and quizzes to check your learning:
<<http://www.pineforge.com/frankfort-nachmiasstudy4/>>
- The homework assignments give a good idea of the type of questions I will ask on this test.

Specific Terms to Review:

Association vs. Independence	Sum of squares between/within/total
Crosstabulation	Mean square between/within
Row and column marginals	Scatterplot
Column percentages	Linear relationship
Pattern & direction of relationships	Bivariate vs. Multiple regression
Positive vs. Negative relationships	Regression line
Chi-square tests: calculation & interpretation	Slope coefficient
Proportional reduction of error (PRE)	Intercept
Symmetrical & asymmetrical measures of association	Error (or residual/disturbance)
Phi and Cramer's V: calculation & interpretation	Covariance
Lambda: calculation & interpretation	Correlation (Pearson's r): calculation & interpretation
Gamma: calculation & interpretation	Coefficient of determination (r^2): calculation & interp.
Paired observations	Partial slope coefficients
Same-order and Inverse-order pairs	Dummy variables
Oneway Analysis of Variance (ANOVA)	Logit (logistic regression)/Probit analysis