

SEM Lab 2

January 27, 2009 – Topic Sequence

1. Ask about any questions from last lab?
2. PRELIS follow up
 - a. (Using data jsp162.psf) Plotting univariate, bivariate and multivariate
 - b. Linearity assumptions of univariate linear regression / Normality tests
 - c. Missing data deleted pair- or listwise
3. Replicate the simple linear regression in LISREL
 - a. Reading in data jsp162.psf
 - b. Remind about file organization
 - c. Building the path diagram: Regression Math3 on Math1 (w/ equation)
 - d. Generating LISREL syntax: Explain all syntax components
 - e. Explain path diagram, estimates and model options
 - f. Point out model fit etc. (saturated)
 - g. Standardized estimates, t-tests etc.
 - h. Look at output: Explain and walk through interpreting entire output