Recommended Readings for Multilevel Modeling Using Stata and HLM, Including Readings Mentioned in Lectures: An Annotated Bibliography

Carle, A. C. 2009. "Fitting Multilevel Models in Complex Survey Data with Design Weights: Recommendations." *BMC Medical Research Methodology* 9:49: 1-13.

The recommendations in this article regarding the use of probability weights and methods of scaling them have now been implemented in Stata 12.

M. Cleves, W. Gould, R.G. Gutierrez, and Y.V. Marchenko. 2010. *An Introduction to Survival Analysis Using Stata, 3rd Edition.* College Station, Texas: Stata Press.

Although titled "an introduction," this book goes beyond an excellent introduction to survival (a.k.a. event history) analysis to provide much material on more advanced topics, all using features of Stata's st package and many examples from a variety of disciplines.

J. Hox. 2010. *Multilevel Analysis: Techniques and Applications, Second Edition.* New York: Routledge.

This text provides coverage of many new developments in multilevel modeling.

B. Jann. 2005. "Making regression tables from stored estimates." *The Stata Journal* 5(3): 288-308.

B. Jann. 2007. "Making regression tables simplified." *The Stata Journal* 7(2): 227-244.

B. Jann. *estout: Making Regression Tables in Stata*. http://repec.org/bocode/e/estout/ (accessed, July 20, 2011).

These articles and the Web site authored by Ben Jann offer a method of outputting publication-ready tables from Stata estimation commands. The esttab command is a user-friendly wrapper for for estout that simplifies the process.

J.S. Long 2009. *The Workflow of Data Analysis Using Stata.* College Station, Texas: Stata Press.

Much good advice on organizing a quantitative research project, with examples using Stata. I have saved much time and frustration in my own research by applying Long's principles.

J.S. Long and J. Freese. 2006. *Regression Models for Categorical Dependent Variables Using Stata, 2nd Edition.* College Station, Texas: Stata Press.

Practical coverage of using models for categorical dependent variables, such as binary and multinomial logistic regression, Poisson and negative binomial regression, and many other methods given scant attention in standard texts. The book also provides excellent documentation on the SPost suite of programs that extends Stata's ability to estimate and report these models.

D. A. Luke. 2004. *Multilevel Modeling*. Thousand Oaks, California: Sage.

A good, clear brief introduction to the subject.

M.N. Mitchell. 2008. *A Visual Guide to Stata Graphics, 2nd Edition.* College Station, Texas: Stata Press.

Since Stata's graphics package has become so complex, this book provides a user-friendly way of learning to produce publication-ready graphs and the syntax to reproduce them.

S. Rabe-Hesketh and A. Skrondal. 2008. *Multilevel and Longitudinal Modeling Using Stata*. College Station, Texas: Stata Press.

The use of weights in multilevel models described in this book using gllamm can now be accomplished using official Stata 12.

S.W. Raudenbush and A.S. Bryk. 2002. *Hierarchical Linear Models, Second Edition.* Thousand Oaks, CA: Sage.

The technical companion to the HLM software by its originators.

Snijders, T. A. B. and Bosker, R. J. 1999. *Multilevel Analysis. An Introduction to Basic and Advanced Multilevel Modeling.* Thousand Oaks, CA: Sage.

An older text with much good advice on the practicalities of multilevel modeling.