

Further Readings on Regression Analysis

Other Good Regression Books

Pedhazur, E.J. (1997). *Multiple regression in behavioral research* (3rd Edition). Fort Worth, TX: Harcourt Brace.

Campbell, D.T., & Kenny, D.A. (1999). *A primer on regression artifacts*. New York: Guilford Press. (*Interesting and thoughtful insights on regression to the mean, longitudinal analysis, and statistical control*).

Kutner, M.H., Nachtsheim, C., & Neter, J. (2004). *Applied linear regression models* (4th Edition). Chicago, IL: IRWIN. (*pretty technical*)

Fox, J. (2008). *Applied Regression Analysis and Generalized Linear Model* (2nd Edition). Thousand Oaks, CA: Sage. (*pretty technical*)

Interactions with Multiple Regression

Aiken, L.S., & West, S.W. (1991). *Testing and interpreting interactions*. Newbury Park, CA: Sage.

West, S.G., Aiken, L.S., & Krull, J.L. (1996). Experimental personality designs: Analyzing categorical by continuous variable interactions. *Journal of Personality*, 64, 1-48.

McClelland, G.H., & Judd, C.M. (1993). Statistical difficulties of detecting interactions and moderator effects. *Psychological Bulletin*, 114, 376-390.

Aguinis, H. (2004). *Regression analysis for categorical moderators*. New York: Guilford.

Jaccard, J. (2001). *Interaction effects in logistic regression*. Thousand Oaks, CA: Sage. QASS #135.

Dummy Coding and Effects Coding with Regression

Hardy, M.A. (1993). *Regression with dummy variables*. Newbury Park, CA: Sage.

See also West, Aiken, & Krull (1996) reference above.

Regression Diagnostics

Fox, J. (1991). *Regression diagnostics*. Newbury Park, CA: Sage.

Bollen, K.A., & Jackman, R.W. (1990). Regression diagnostics: An expository treatment of outliers and influential cases. In J. Fox & J.S. Long (Eds.), *Modern methods of data analysis*. Newbury Park, CA: Sage.

Path Analysis and Mediation

MackKinnon, D.P. (2008). *Introduction to statistical mediation analysis*. Mahwah, NJ: Erlbaum.

Preacher, K. J., & Hayes, A. F. (2004). SPSS and SAS procedures for estimating indirect effects in simple mediation models. *Behavior Research Methods, Instruments, & Computers*, 36(4), 717-731.

MackKinnon, D. P., & Dwyer, J. H. (1993). Estimating mediated effects in prevention studies. *Evaluation Review*, 17(2), 144-158.

MackKinnon, D.P., Lockwood, C.M., Hoffman, J.M., West, S.G., & Sheets, V. (2002). A comparison of methods to test mediation and other intervening variable effects. *Psychological Methods*, 7, 83-104.

Maruyama, G. (1998). *Basics of Structural Equation Modeling*. Thousand Oaks: Sage.

Power and Sample Size with Regression

Cohen, J. (1992). A power primer. *Psychological Bulletin*, 112, 155-159.

Green, S.B. (1991). How many subjects does it take to do a regression analysis? *Multivariate Behavioral Research*, 26, 499-510.

Kraemer, H.C. (1987). *How many subjects? Statistical power analysis in research*. Newbury Park, CA: Sage.

Longitudinal Analysis

Menard, S. (1991). *Longitudinal research*. Newbury Park, CA: Sage.

Singer, J.D., & Willett, J.B. (2003). *Applied longitudinal data analysis: Modeling change and event occurrence*. New York: Oxford.

J. T. Newsom, R. N. Jones, & S. M. Hofer (Eds.). (2012). *Longitudinal data analysis: A practical guide for researchers in aging, health, and social sciences*. New York: Routledge.

Logistic Regression

Pampel, F.C. (2000). *Logistic regression: A primer*. Thousand Oaks, CA: Sage. QASS #132.

Menard, S.W. (2002). *Applied logistic regression analysis* (2nd Edition). Thousand Oaks, CA: Sage. QASS#106

Hosmer, D.W., & Lemeshow, S. (2000). *Applied logistic regression* (2nd Edition). New York: Wiley.

Long, J.S. (1997). *Regression models for categorical and limited dependent variables*. Thousand Oaks, CA: Sage. (*technical, but the best source on ordinal and multicategory regression modeling*).

Probit Models, Multinomial Regression Models, Ordered Logistic Models, and Models for Count Data

O'Connell, A.A. (2006). *Logistic regression models for ordinal response variables*. Thousand Oaks, CA: Sage. QASS #146.

Borooah, V.K. (2002). *Logit and probit: Ordered and multinomial models*. Thousand Oaks, CA: Sage. QASS #138.

Aldrich, J.H., & Nelson, F.D. (1984). *Linear probability, logit, and probit models*. Newbury Park, NJ: Sage. QASS #45.

Dunteman, G.H., & Ho, M-H.R. (2006). *An introduction to generalized linear models*. Thousand Oaks, CA: Sage. QASS # 145.

Gardner, W., Mulvey, E.P., & Shaw, E.C. (1995). Regression analysis of counts and rates: Poisson, overdispersed Poisson, and negative binomial models. *Psychological Bulletin*, 118, 392-404.

Coxe, S., West, S.G., & Aiken, L.S. (2009). The Analysis of Count Data: A Gentle Introduction to Poisson Regression and Its Alternatives. *Journal of Personality Assessment*, 91, 121–136.

Survival Analysis

Allison, P.D. (1984). *Event history analysis: Regression for longitudinal event data*. Newbury Park, NJ: Sage. QASS #46.

Allison, P.D. (1995). *Survival analysis using SAS: A practical guide*. Cary, NC: SAS. (although examples use SAS, a very useful practical guide generally)

Hosmer, D.W., Jr., & Lemeshow, S. (1999). *Applied survival analysis: Regression modeling of time to event data*. New York: Wiley.

Singer, J.D., & Willett, J.B. (2003). *Applied longitudinal data analysis: Modeling change and event occurrence*. New York: Oxford.

Complex Sampling Designs

Lee, E.S., & Forthofer, R.N. (2006). *Analyzing complex survey data (2nd Edition)*. Thousand Oaks, CA: Sage. QASS #71.

Lohr, S.L. (1999). *Sampling: Design and analysis*. Pacific Grove, CA: Duxbury.

Levy, P.S., & Lemeshow, S. (1999). *Sampling of populations: Methods and applications (3rd edition)*. New York: Wiley. (more technical, but the most comprehensive).

Heeringa, S., West, B.T., & Berglund, P.A. (2010). *Applied survey data analysis*. Boca Raton, FL: Taylor & Francis.

Missing Data

Enders, C.K. (2010). *Applied missing data analysis*. New York: Guilford.

Schafer, J.L., & Graham, J.W. (2002). Missing data: Our view of the state of the art. *Psychological Methods*, 7, 147-177.

Little, R.J.A., & Rubin, D.B. (2002). *Statistical Analysis with Missing Data, 2nd edition*. New York: John Wiley.