

References

- Agresti, A. 2010. *Analysis of Ordinal Categorical Data*. 2nd ed. Hoboken, NJ: Wiley.
- . 2013. *Categorical Data Analysis*. 3rd ed. Hoboken, NJ: Wiley.
- Akaike, H. 1973. Information theory and an extension of the maximum likelihood principle. In *Second International Symposium on Information Theory*, ed. B. N. Petrov and F. Csaki, 267–281. Budapest: Akadémiai Kiadó.
- Allison, P. D. 2001. *Missing Data*. Thousand Oaks, CA: Sage.
- . 2012a. Do we really need zero-inflated models? *Statistical Horizons Blog*. <http://www.statisticalhorizons.com/zero-inflated-models>.
- . 2012b. *Logistic Regression Using SAS: Theory and Application*. 2nd ed. Cary, NC: SAS Institute.
- Allison, P. D., and N. A. Christakis. 1994. Logit models for sets of ranked items. *Sociological Methodology* 24: 199–228.
- Amemiya, T. 1981. Qualitative response models: A survey. *Journal of Economic Literature* 19: 1483–1536.
- Anderson, J. A. 1984. Regression and ordered categorical variables (with discussion). *Journal of the Royal Statistical Society, Series B* 46: 1–30.
- Arminger, G. 1995. Specification and estimation of mean structures: regression models. In *Handbook of Statistical Modeling for the Social and Behavioral Sciences*, ed. G. Arminger, C. C. Clogg, and M. E. Sobel, 77–183. New York: Plenum Press.
- Bartus, T. 2005. Estimation of marginal effects using `margeff`. *Stata Journal* 5: 309–329.
- Beggs, S., S. Cardell, and J. A. Hausman. 1981. Assessing the potential demand for electric cars. *Journal of Econometrics* 17: 1–19.
- Brant, R. 1990. Assessing proportionality in the proportional odds model for ordinal logistic regression. *Biometrics* 46: 1171–1178.
- Breen, R., and K. B. Karlson. 2013. Counterfactual causal analysis and nonlinear probability models. In *Handbook of Causal Analysis for Social Research*, ed. S. L. Morgan, 167–187. Dordrecht, Netherlands: Springer.

- Breen, R., K. B. Karlson, and A. Holm. 2013. Total, direct, and indirect effects in logit and probit models. *Sociological Methods and Research* 42: 164–191.
- Buis, M. L. 2007. seqlogit: Stata module to fit a sequential logit model. Boston College Department of Economics, Statistical Software Components S456843. <http://ideas.repec.org/c/boc/bocode/s456843.html>.
- . 2013. oparallel: Stata module providing post-estimation command for testing the parallel regression assumption. Boston College Department of Economics, Statistical Software Components S457720. <http://ideas.repec.org/c/boc/bocode/s457720.html>.
- Bunch, D. S., and R. Kitamura. 1990. Multinomial probit model estimation revisited: Testing of new algorithms and evaluation of alternative model specifications for trinomial models of household car ownership. Research Report UCD-ITS-RP-90-01, Institute of Transportation Studies, University of California, Davis, CA.
- Cameron, A. C., and P. K. Trivedi. 2005. *Microeconometrics: Methods and Applications*. New York: Cambridge University Press.
- . 2010. *Microeconometrics Using Stata*. Rev. ed. College Station, TX: Stata Press.
- . 2013. *Regression Analysis of Count Data*. 2nd ed. New York: Cambridge University Press.
- Cappellari, L., and S. P. Jenkins. 2003. Multivariate probit regression using simulated maximum likelihood. *Stata Journal* 3: 278–294.
- Cattaneo, M. D. 2010. Efficient semiparametric estimation of multi-valued treatment effects under ignorability. *Journal of Econometrics* 155: 138–154.
- Cattaneo, M. D., D. M. Drukker, and A. D. Holland. 2013. Estimation of multivalued treatment effects under conditional independence. *Stata Journal* 13: 407–450.
- Cheng, S., and J. S. Long. 2007. Testing for IIA in the multinomial logit model. *Sociological Methods and Research* 35: 583–600.
- Cleves, M., W. Gould, R. G. Gutierrez, and Y. V. Marchenko. 2010. *An Introduction to Survival Analysis Using Stata, Third Edition*. 3rd ed. College Station, TX: Stata Press.
- Clogg, C. C., and E. S. Shihadeh. 1994. *Statistical Models for Ordinal Variables*. Thousand Oaks, CA: Sage.
- Cook, R. D., and S. Weisberg. 1999. *Applied Regression Including Computing and Graphics*. New York: Wiley.
- Cox, D. R. 1972. Regression models and life-tables (with discussion). *Journal of the Royal Statistical Society, Series B* 34: 187–220.

References

- Cox, D. R., and E. J. Snell. 1989. *Analysis of Binary Data*. 2nd ed. London: Chapman & Hall.
- Cragg, J. G., and R. S. Uhler. 1970. The demand for automobiles. *Canadian Journal of Econometrics* 3: 386–406.
- Cramer, J. S. 1986. *Econometric Applications of Maximum Likelihood Methods*. Cambridge: Cambridge University Press.
- . 1991. *The Logit Model: An Introduction for Economists*. New York: Chapman and Hall.
- Crow, K. 2013. Export tables to Excel. *The Stata Blog: Not Elsewhere Classified*. <http://blog.stata.com/2013/09/25/export-tables-to-excel/>.
- . 2014. Retaining an Excel cell's format when using putexcel. *The Stata Blog: Not Elsewhere Classified*. <http://blog.stata.com/2014/02/04/retaining-an-excel-cells-format-when-using-putexcel/>.
- Cytel Software Corporation. 2005. *LogXact Version 6*. Cambridge, MA.
- Drukker, D. M. 2014. Quantile treatment effect estimation from censored data by regression adjustment. Working paper. <http://www.stata.com/ddrukker/mqgamma.pdf>.
- Efron, B. 1978. Regression and ANOVA with zero-one data: Measures of residual variation. *Journal of the American Statistical Association* 73: 113–121.
- Eliason, S. R. 1993. *Maximum Likelihood Estimation: Logic and Practice*. Newbury Park, CA: Sage.
- Enders, C. K. 2010. *Applied Missing Data Analysis*. New York: Guilford Press.
- Fahrmeir, L., and G. Tutz. 1994. *Multivariate Statistical Modelling Based on Generalized Linear Models*. New York: Springer.
- Fienberg, S. E. 1980. *The Analysis of Cross-Classified Categorical Data*. 2nd ed. Cambridge, MA: MIT Press.
- Firpo, S. 2007. Efficient semiparametric estimation of quantile treatment effects. *Econometrica* 75: 259–276.
- Fox, J. 2008. *Applied Regression Analysis and Generalized Linear Models*. Thousand Oaks, CA: Sage.
- Freedman, D. A. 2006. On the so-called “Huber sandwich estimator” and “robust standard errors”. *American Statistician* 60: 299–302.
- Freese, J. 2002. Least likely observations in regression models for categorical outcomes. *Stata Journal* 2: 296–300.

- Freese, J., and J. S. Long. 2000. sg155: Tests for the multinomial logit model. *Stata Technical Bulletin* 58: 19–25. In *Stata Technical Bulletin Reprints*, vol. 10, 247–255. College Station, TX: Stata Press.
- Fry, T. R. L., and M. N. Harris. 1996. A Monte Carlo study of tests for the independence of irrelevant alternatives property. *Transportation Research Part B: Methodological* 30: 19–30.
- . 1998. Testing for independence of irrelevant alternatives: Some empirical results. *Sociological Methods and Research* 26: 401–423.
- Gallup, J. L. 2012. A programmer's command to build formatted statistical tables. *Stata Journal* 12: 655–673.
- Gould, W., J. Pitblado, and B. Poi. 2010. *Maximum Likelihood Estimation with Stata*. 4th ed. College Station, TX: Stata Press.
- Gould, W. W. 2010. How to successfully ask a question on Statalist. *The Stata Blog: Not Elsewhere Classified*.
<http://blog.stata.com/2010/12/14/how-to-successfully-ask-a-question-on-statalist/>.
- Greene, W. H. 1994. Accounting for excess zeros and sample selection in Poisson and negative binomial regression models. Working paper EC-94-10, Department of Economics, Stern School of Business, New York University.
- Greene, W. H., and D. A. Hensher. 2010. *Modeling Ordered Choices: A Primer*. Cambridge: Cambridge University Press.
- Grogger, J. T., and R. T. Carson. 1991. Models for truncated counts. *Journal of Applied Econometrics* 6: 225–238.
- Hagle, T. M., and G. E. Mitchell, II. 1992. Goodness-of-fit measures for probit and logit. *American Journal of Political Science* 36: 762–784.
- Hanmer, M. J., and K. O. Kalkan. 2013. Behind the curve: Clarifying the best approach to calculating predicted probabilities and marginal effects from limited dependent variable models. *American Journal of Political Science* 57: 263–277.
- Hardin, J. W., and J. M. Hilbe. 2012. *Generalized Linear Models and Extensions*. 3rd ed. College Station, TX: Stata Press.
- Hausman, J. A., and D. L. McFadden. 1984. Specification tests for the multinomial logit model. *Econometrica* 52: 1219–1240.
- Heeringa, S. G., B. T. West, and P. A. Berglund. 2010. *Applied Survey Data Analysis*. Boca Raton, FL: Chapman and Hall/CRC.
- Hilbe, J. M. 2005. hnblogit: Stata module to estimate a negative binomial-logit hurdle regression. Boston College Department of Economics, Statistical Software Components S456401. <http://ideas.repec.org/c/boc/bocode/s456401.html>.

- Hosmer, D. W., Jr., and S. Lemeshow. 1980. Goodness-of-fit tests for the multiple logistic regression model. *Communications in Statistics—Theory and Methods* 9: 1043–1069.
- Hosmer, D. W., Jr., S. Lemeshow, and R. X. Sturdivant. 2013. *Applied Logistic Regression*. 3rd ed. Hoboken, NJ: Wiley.
- Huebler, F. 2013. Updated programs and guide to integrating Stata and external text editors. *International Education Statistics* (blog). <http://huebler.blogspot.com>.
- Jann, B. 2005. Making regression tables from stored estimates. *Stata Journal* 5: 288–308.
- Karlson, K. B., A. Holm, and R. Breen. 2012. Comparing regression coefficients between same-sample nested models using logit and probit: A new method. *Sociological Methodology* 42: 286–313.
- Kauermann, G., and R. J. Carroll. 2001. A note on the efficiency of sandwich covariance matrix estimation. *Journal of the American Statistical Association* 96: 1387–1396.
- King, G., and M. E. Roberts. 2014. How robust standard errors expose methodological problems they do not fix, and what to do about it. <http://gking.harvard.edu/files/gking/files/robust.pdf>.
- Lall, R., S. J. Walters, and K. Morgan. 2002. A review of ordinal regression models applied on health-related quality of life assessments. *Statistical Methods in Medical Research* 11: 49–67.
- Lambert, D. 1992. Zero-inflated Poisson regression, with an application to defects in manufacturing. *Technometrics* 34: 1–14.
- Landwehr, J. M., D. Pregibon, and A. C. Shoemaker. 1984. Graphical methods for assessing logistic regression models. *Journal of the American Statistical Association* 79: 61–71.
- Lemeshow, S., and D. W. Hosmer, Jr. 1982. A review of goodness of fit statistics for use in the development of logistic regression models. *American Journal of Epidemiology* 115: 92–106.
- Liao, T. F. 1994. *Interpreting Probability Models: Logit, Probit, and Other Generalized Linear Models*. Thousand Oaks, CA: Sage.
- Little, R. J. A., and D. B. Rubin. 2002. *Statistical Analysis with Missing Data*. 2nd ed. New York: Wiley.
- Long, J. S. 1987. A graphical method for the interpretation of multinomial logit analysis. *Sociological Methods and Research* 15: 420–446.
- . 1990. The origins of sex differences in science. *Social Forces* 68: 1297–1316.

- . 1997. *Regression Models for Categorical and Limited Dependent Variables*. Thousand Oaks, CA: Sage.
- . 2009. *The Workflow of Data Analysis Using Stata*. College Station, TX: Stata Press.
- . Forthcoming. Regression models for nominal and ordinal outcomes. In *Regression Analysis and Causal Inference*, ed. H. Best and C. Wolf. London: Sage.
- Long, J. S., and L. H. Ervin. 2000. Using heteroscedasticity consistent standard errors in the linear regression model. *American Statistician* 54: 217–224.
- Long, J. S., and J. Freese. 2006. *Regression Models for Categorical Dependent Variables Using Stata*. 2nd ed. College Station, TX: Stata Press.
- Long, J. S., and R. McGinnis. 1981. Organizational context and scientific productivity. *American Sociological Review* 46: 422–442.
- Maddala, G. S. 1983. *Limited-Dependent and Qualitative Variables in Econometrics*. Cambridge: Cambridge University Press.
- McCullagh, P. 1980. Regression models for ordinal data (with discussion). *Journal of the Royal Statistical Society, Series B* 42: 109–142.
- McCullagh, P., and J. A. Nelder. 1989. *Generalized Linear Models*. 2nd ed. New York: Chapman and Hall.
- McFadden, D. 1974. Conditional logit analysis of qualitative choice behavior. In *Frontiers of Econometrics*, ed. P. Zarembka, 105–142. New York: Academic Press.
- . 1989. A method of simulated moments for estimation of discrete response models without numerical integration. *Econometrica* 57: 995–1026.
- McKelvey, R. D., and W. Zavoina. 1975. A statistical model for the analysis of ordinal level dependent variables. *Journal of Mathematical Sociology* 4: 103–120.
- Mehta, C. R., and N. R. Patel. 1995. Exact logistic regression: Theory and examples. *Statistics in Medicine* 14: 2143–2160.
- Miller, P. W., and P. A. Volker. 1985. On the determination of occupational attainment and mobility. *Journal of Human Resources* 20: 197–213.
- Mitchell, M. N. 2012a. *Interpreting and Visualizing Regression Models Using Stata*. College Station, TX: Stata Press.
- . 2012b. *A Visual Guide to Stata Graphics*. 3rd ed. College Station, TX: Stata Press.
- Mroz, T. A. 1987. The sensitivity of an empirical model of married women's hours of work to economic and statistical assumptions. *Econometrica* 55: 765–799.

- Mullahy, J. 1986. Specification and testing of some modified count data models. *Journal of Econometrics* 33: 341–365.
- Nagelkerke, N. J. D. 1991. A note on a general definition of the coefficient of determination. *Biometrika* 78: 691–692.
- Peterson, B., and F. E. Harrell, Jr. 1990. Partial proportional odds models for ordinal response variables. *Journal of the Royal Statistical Society, Series C* 39: 205–217.
- Pregibon, D. 1981. Logistic regression diagnostics. *Annals of Statistics* 9: 705–724.
- Punj, G. N., and R. Staelin. 1978. The choice process for graduate business schools. *Journal of Marketing Research* 15: 588–598.
- Rabe-Hesketh, S., and A. Skrondal. 2012. *Multilevel and Longitudinal Modeling Using Stata*. 3rd ed. College Station, TX: Stata Press.
- Raftery, A. E. 1995. Bayesian model selection in social research. In Vol. 25 of *Sociological Methodology*, ed. P. V. Marsden, 111–163. Oxford: Blackwell.
- Schenker, N., and J. F. Gentleman. 2001. On judging the significance of differences by examining the overlap between confidence intervals. *American Statistician* 55: 182–186.
- Sewell, W. H., R. M. Hauser, K. W. Springer, and T. S. Hauser. 2003. As we age: A review of the Wisconsin longitudinal study, 1957–2001. *Research in Social Stratification and Mobility* 20: 3–111.
- Small, K. A., and C. Hsiao. 1985. Multinomial logit specification tests. *International Economic Review* 26: 619–627.
- Sribney, W. M. 1997. FAQ: Why should I not do a likelihood-ratio test after an ML estimation (e.g., logit, probit) with clustering or pweights? <http://www.stata.com/support/faqs/statistics/likelihood-ratio-test/>.
- Stevens, S. S. 1946. On the Theory of Scales of Measurement. *Science* 7: 677–680.
- Theil, H. 1970. On the estimation of relationships involving qualitative variables. *American Journal of Sociology* 76: 103–154.
- Tjur, T. 2009. Coefficients of determination in logistic regression models—A new proposal: The coefficient of discrimination. *American Statistician* 63: 366–372.
- Train, K. 2009. *Discrete Choice Methods with Simulation*. 2nd ed. Cambridge: Cambridge University Press.
- Verlinda, J. A. 2006. A comparison of two common approaches for estimating marginal effects in binary choice models. *Applied Economics Letters* 13: 77–80.
- Vuong, Q. H. 1989. Likelihood ratio tests for model selection and non-nested hypotheses. *Econometrica* 57: 307–333.

- Weisberg, S. 2005. *Applied Linear Regression*. 3rd ed. New York: Wiley.
- White, H. 1980. A heteroskedasticity-consistent covariance matrix estimator and a direct test for heteroskedasticity. *Econometrica* 48: 817–838.
- . 1982. Maximum likelihood estimation of misspecified models. *Econometrica* 50: 1–25.
- Williams, R. 2005. gologit2: Stata module to estimate generalized logistic regression models for ordinal dependent variables. Boston College Department of Economics, Statistical Software Components S453401. <http://ideas.repec.org/c/boc/bocode/s453401.html>.
- . 2009. Using heterogeneous choice models to compare logit and probit coefficients across groups. *Sociological Methods and Research* 37: 531–559.
- Windmeijer, F. A. G. 1995. Goodness-of-fit measures in binary choice models. *Econometric Reviews* 14: 101–116.
- Winship, C., and R. D. Mare. 1984. Regression models with ordinal variables. *American Sociological Review* 49: 512–525.
- Winship, C., and L. Radbill. 1994. Sampling weights and regression analysis. *Sociological Methods and Research* 23: 230–257.
- Winter, N. 2000. smhsiao: Stata module to conduct Small–Hsiao test for IIA in multinomial logit. Boston College Department of Economics, Statistical Software Components S410701. <http://ideas.repec.org/c/boc/bocode/s410701.html>.
- Wolfe, R. 1998. sg86: Continuation-ratio models for ordinal response data. *Stata Technical Bulletin* 44: 18–21. In *Stata Technical Bulletin Reprints*, vol. 8, 149–153. College Station, TX: Stata Press.
- Wolfe, R., and W. Gould. 1998. sg76: An approximate likelihood-ratio test for ordinal response models. *Stata Technical Bulletin* 42: 24–27. In *Stata Technical Bulletin Reprints*, vol. 7, 199–204. College Station, TX: Stata Press.
- Wooldridge, J. M. 2010. *Econometric Analysis of Cross Section and Panel Data*. 2nd ed. Cambridge, MA: MIT Press.
- Xu, J., and J. S. Long. 2005. Confidence intervals for predicted outcomes in regression models for categorical outcomes. *Stata Journal* 5: 537–559.