
Bibliography

- E. H. Allison, W. N. Adger, M. C. Badjeck, K. Brown, D. Conway, N. K. Dulvy, A. Halls, A. Perry, and J. D. Reynolds. Effects of climate change on the sustainability of capture and enhancement fisheries important to the poor. *Fisheries Management Science Programme*, 2005.
- Kyle J. Anderson and David A. Pierce. Officiating bias: the effect of foul differential on foul calls in NCAA basketball. *Journal of Sports Sciences*, 27 (7):687–94, 2009. doi: 10.1080/02640410902729733.
- Diane Angell. Effects of soil type and sterilization on the growth of coneflowers and leadplants. St. Olaf College. Class data for Biology 261, 2010.
- Annika Awad, Evan Lebo, and Anna Linden. Intercontinental comparative analysis of Airbnb booking factors. St. Olaf College. Statistics 316 Project, 2017.
- S. G. Baer, D. J. Kitchen, J. M. Blair, and C. W. Rice. Changes in ecosystem structure and function along a chronosequence of restored grasslands. *Ecological Applications*, 12(6):1688–1701, 2002. doi: 10.1890/1051-0761(2002)012[1688:CIESAF]2.0.CO;2.
- Douglas Bates, Martin Mächler, Ben Bolker, and Steve Walker. Fitting linear mixed-effects models using lme4. *Journal of Statistical Software, Articles*, 67 (1):1–48, 2015. ISSN 1548-7660. URL <https://www.jstatsoft.org/v067/i01>.
- Ben Bayer and Michael Fitzgerald. Reconstructing Alabama: Reconstruction Era demographic and statistical research. St. Olaf College. Senior IR Project, 2011.
- BBC News. Sisters ‘make people happy’, Apr 2 2009. URL <http://news.bbc.co.uk/2/hi/health/7977454.stm>.
- Robert Bickel. *Multilevel Analysis for Applied Research: It's Just Regression!* Guilford Publications, New York, 2007.
- J. A. Bishop. An experimental study of the cline of industrial melanism in *Biston betularia* (l.) (Lepidoptera) between urban Liverpool and rural North Wales. *Journal of Animal Ecology*, 41(1):209–243, 1972. doi: 10.2307/3513.
- Margaret Blakeman, Tim Renier, and Rami Shandaq. Modeling Donald

- Trump's voters in the 2016 Election. St. Olaf College. Statistics 316 Project, 2018.
- H. Jane Brockmann. Satellite male groups in horseshoe crabs, *limulus polyphemus*. *Ethology*, 102(1):1–21, 1996. URL <http://dx.doi.org/doi:10.1111/j.1439-0310.1996.tb01099.x>.
- Kenneth Brown and Bulent Uyar. A hierarchical linear model approach for assessing the effects of house and neighborhood characteristics on housing prices. *Journal of Real Estate Practice and Education*, 7(1):15–24, 2004. URL <http://aresjournals.org/doi/abs/10.5555/repe.7.1.f687057161743261>.
- Richard Buddin and Ron Zimmer. Student achievement in charter schools: A complex picture. *Journal of Policy Analysis and Management*, 24(2):351–371, 2005. URL <http://dx.doi.org/10.1002/pam.20093>.
- Bureau of Labor Statistics. National Longitudinal Surveys, 1997. URL <https://www.bls.gov/nls/nlsy97.htm>.
- A.C. Cameron and P.K. Trivedi. Econometric models based on count data: Comparisons and applications of some estimators and tests. *Journal of Applied Econometrics*, 1:29–53, 1986.
- Philip Camill, Mark J. McKone, Sean T. Sturges, William J. Severud, Erin Ellis, Jacob Limmer, Christopher B. Martin, Ryan T. Navratil, Amy J. Purdie, Brody S. Sandel, Shano Talukder, and Andrew Trout. Community- and ecosystem-level changes in a specie-rich tallgrass prairie restoration. *Ecological Applications*, 14(6):1680–1694, 2004. doi: 10.1890/03-5273.
- Ann Cannon, George Cobb, Brad Hartlaub, Julie Legler, Robin Lock, Tom Moore, Allan Rossman, and Jeff Witmer. *Stat2: Modeling with Regression and ANOVA*. Macmillan, 2019.
- Centers for Disease Control and Prevention. Youth Risk Behavior Survey data, 2009. URL <http://www.cdc.gov/HealthyYouth/yrbs/index.htm>.
- Central Intelligence Agency. The World Factbook 2013, 2013. URL <https://www.cia.gov/library/publications/download/download-2013/index.html>.
- Christopher Chapp, Paul Roback, Kendra Jo Johnson-Tesch, Adrian Rossing, and Jack Werner. Going vague: Ambiguity and avoidance in online political messaging. *Social Science Computer Review*, Aug 2018. URL <https://doi.org/10.1177/0894439318791168>.
- Patrick J. Curran, Eric Stice, and Laurie Chassin. The relation between adolescent alcohol use and peer alcohol use: A longitudinal random coefficients model. *Journal of Consulting and Clinical Psychology*, 65(1):130–140, 1997. URL <http://dx.doi.org/10.1037/0022-006X.65.1.130>.

- Samantha Dahlquist and Jin Dong. The effects of credit cards on tipping. St. Olaf College. Statistics 272 Project, 2011.
- A. C. Davison and D. V. Hinkley. *Bootstrap Methods and Their Application*. Cambridge University Press, 1997.
- P. J. Diggle, P. Heagarty, K.-Y. Liang, and S. L. Zeger. *Analysis of Longitudinal Data*. Oxford University Press, 2002.
- Bradley Efron. Bayesian inference and the parametric bootstrap. *Ann. Appl. Stat.*, 6(4):1971–1997, Dec 2012. URL <https://doi.org/10.1214/12-AOAS571>.
- Bradley Efron and R.J. Tibshirani. *An Introduction to the Bootstrap*. Chapman & Hall/CRC, Boca Raton, FL, 1993.
- Robert Eisinger, Amanda Elling, and J.R. Stamp. Tree growth rates and mortality. In *Proceedings of the National Conference on Undergraduate Research (NCUR)*, Ithaca College, New York, 2011.
- Brian S. Everitt and Torsten Hothorn. *A Handbook of Statistical Analyses using R*. Chapman & Hall/ CRC, Boca Raton, FL, 2006.
- Julian J. Faraway. *Extending the Linear Model With R: Generalized Linear, Mixed Effects and Nonparametric Regression Models*. Chapman & Hall/ CRC, Boca Raton, FL, 2005.
- Anthony Farrar and Thomas H. Bruggink. A new test of the moneyball hypothesis. *The Sport Journal*, May 2011. URL <http://thesportjournal.org/article/a-new-test-of-the-moneyball-hypothesis/>.
- Shannon Fast and Thomas Hegland. Book challenges: A statistical examination. St. Olaf College. Statistics 316 Project, 2011.
- Kara Finnigan, Nancy Adelman, Lee Anderson, Lynyonne Cotton, Mary Beth Donnelly, and Tiffany Price. *Evaluation of Public Charter Schools Program: Final Evaluation Report*. U.S. Department of Education, Washington, D.C., 2004.
- Lisa Fisher, Katie Murney, and Tyler Radtke. Emergency department overcrowding and factors that contribute to ambulance diversion. St. Olaf College. Statistics 316 Project, 2019.
- Richard A. Friedman. Standing up at your desk could make you smarter. *The New York Times*, Apr 20 2018.
- Andrew Gelman, Jeffrey Fagan, and Alex Kiss. An analysis of the NYPD's stop-and-frisk policy in the context of claims of racial bias. *Journal of The American Statistical Association*, 102:813–823, Sept 2007.
- Thomas Gilovich, Robert Vallone, and Amos Tversky. The hot hand in basket-

- ball: On the misperception of random sequences. *Cognitive Psychology*, 17(3): 295–314, 1985. URL [https://doi.org/10.1016/0010-0285\(85\)90010-6](https://doi.org/10.1016/0010-0285(85)90010-6).
- I. B. Goldstein and D. Shapiro. Ambulatory blood pressure in women: Family history of hypertension and personality. *Psychology, Health & Medicine*, 5(3):227–240, 2000. URL <https://doi.org/10.1080/713690197>.
- Shelly Grabe, Janet Shibley Hyde, and L. Monique Ward. The role of the media in body image concerns among women: A meta-analysis of experimental and correlational studies. *Psychological Bulletin*, 134(3):460–476, 2008. URL <https://doi.org/10.1037/0033-2909.134.3.460>.
- Preston C. Green III, Bruce D. Baker, and Joseph O. Oluwole. Having it both ways: How charter schools try to obtain funding of public schools and the autonomy of private schools. *Emory Law Journal*, 63(2):303–337, 2003.
- Tim C. Hesterberg. What teachers should know about the bootstrap: Resampling in the undergraduate statistics curriculum. *The American Statistician*, 69(4):371–386, 2015. URL <https://doi.org/10.1080/00031305.2015.1089789>. PMID: 27019512.
- Walt Hickey. The dollar-and-cents case against Hollywood's exclusion of women. *FiveThirtyEight*, Apr 2014. URL <https://fivethirtyeight.com/features/the-dollar-and-cents-case-against-hollywoods-exclusion-of-women/>.
- P. A. Holst, D. Kromhout, and R. Brand. For debate: pet birds as an independent risk factor for lung cancer. *British Medical Journal*, 297(6659): 1319–1321, Nov 1988. doi: 10.1136/bmj.297.6659.1319.
- Brooke Janusz and Michael Mohr. Predicting user Yelp star ratings based on restaurant attributes. St. Olaf College. Statistics 316 Project, 2018.
- Christine A. Jenkins. Book challenges, challenging books, and young readers: The research picture. *Language Arts*, 85(3):228–36, Jan 2008.
- Kaggle. House sales in King County, USA, 2018a. URL <https://www.kaggle.com/harlfoxem/housesalesprediction/home>.
- Kaggle. NBA enhanced box scores and standings, 2018b. URL <https://www.kaggle.com/pablote/nba-enhanced-stats>.
- KIPP. KIPP North Star Academy, 2018. URL <http://www.kipp.org/school/kipp-north-star-academy/>.
- Johannes M. H. Knops and David Tilman. Dynamics of soil nitrogen and carbon accumulation for 61 years after agricultural abandonment. *Ecology*, 81(1):88–98, 2000. doi: 10.1890/0012-9658(2000)081[0088:DOSNAC]2.0.CO;2.
- Gina Kolata. Picture emerging on genetic risks of ivf. *The New York Times*, Feb 16 2009.

- Jan Komdeur, Serge Daan, Joost Tinbergen, and Christa Mateman. Extreme adaptive modification in sex ratio of the Seychelles warbler's eggs. *Nature*, 385:522–525, Feb 1997. URL <http://dx.doi.org/10.1038/385522a0>.
- Nan M. Laird. Missing data in longitudinal studies. *Statistics in Medicine*, 7 (1-2):305–315, 1988. URL <http://dx.doi.org/10.1002/sim.4780070131>.
- Michael M. Lewis. *Moneyball: The Art of Winning an Unfair Game*. W. W. Norton & Company, 2003.
- M Martinsen, S Bratland-Sanda, A K Eriksson, and J Sundgot-Borgen. Dieting to win or to be thin? A study of dieting and disordered eating among adolescent elite athletes and non-athlete controls. *British Journal of Sports Medicine*, 44(1):70–76, 2009. URL <http://bjsm.bmj.com/content/44/1/70>.
- T.J. Mathews and Brady E. Hamilton. Trend analysis of the sex ratio at birth in the United States. *National Vital Statistics Reports*, 53(20):1–20, 06 2005. URL https://www.cdc.gov/nchs/data/nvsr/nvsr53/nvsr53_20.pdf.
- Peter McCullagh and John Ashworth Nelder. *Generalized Linear Models*. Chapman & Hall/ CRC, Boca Raton, Florida, 2nd edition, 1989.
- Minnesota Department of Education. Minnesota Department of Education data center, 2018. URL <https://education.mn.gov/MDE/Data/>.
- Tobias J. Moskowitz and L. Jon Wertheim. *Scorecasting: The Hidden Influences Behind How Sports Are Played and Games Are Won*. Crown Archetype, New York, 2011.
- Per Nafstad, Jorgen A. Hagen, Leif Oie, Per Magnus, and Jouni J. K. Jaakkola. Day care centers and respiratory health. *Pediatrics*, 103(4):753–758, 1999. URL <http://pediatrics.aappublications.org/content/103/4/753>.
- National Center for Education Statistics. The Integrated Postsecondary Education Data System, 2018. URL <https://nces.ed.gov/ipeds/>.
- John Ashworth Nelder and Robert William Maclagan Wedderburn. Generalized linear models. *Journal of the Royal Statistical Society. Series A (General)*, 135(3):370–384, 1972. URL <http://www.jstor.org/stable/2344614>.
- Cecilia A. Noecker and Paul Roback. New insights on the tendency of NCAA basketball officials to even out foul calls. *Journal of Quantitative Analysis in Sports*, 8(3):1–23, Oct 2012.
- Philippine Statistics Authority. Family income and expenditure survey, 2015. URL <https://www.kaggle.com/grosvenpaul/family-income-and-expenditure>.
- Joyce H. Poole. Mate guarding, reproductive success and female choice in African elephants. *Animal Behaviour*, 37:842–849, 1989. URL <http://www.sciencedirect.com/science/article/pii/0003347289900687>.

- Ian Pray. Effects of rainfall and sun exposure on leaf characteristics. St. Olaf College. Bio in South India Project, 2009.
- J Proudfoot, D Goldberg, A Mann, B Everitt, I Marks, and J A Gray. Computerized, interactive, multimedia cognitive-behavioural program for anxiety and depression in general practice. *Psychological Medicine*, 33(2):217–27, Feb 2003. doi: 10.1017/s0033291702007225.
- R Core Team. *R: A Language and Environment for Statistical Computing*. R Foundation for Statistical Computing, Vienna, Austria, 2020. URL <https://www.R-project.org>.
- Fred Ramsey and Daniel Schafer. *The Statistical Sleuth: A course in methods of data analysis*. Brooks/Cole Cengage, Boston, Massachusetts, 2nd edition, 2002.
- D.A. Randall, L.R. Jorm, S. Lujic, S.J. Eades, T.R. Churches, A.J. O’Loughlin, and A.H. Leyland. Exploring disparities in acute myocardial infarction events between Aboriginal and non-Aboriginal Australians: Roles of age, gender, geography and area-level disadvantage. *Health & Place*, 28:58–66, 2014. ISSN 1353-8292. doi: <https://doi.org/10.1016/j.healthplace.2014.03.009>.
- Stephen W. Raudenbush and Anthony S. Bryk. *Hierarchical Linear Models: Applications and Data Analysis Methods*. SAGE Publications, Inc., Thousand Oaks, CA, 2nd edition, 2002.
- Joseph Lee Rodgers and Debby Doughty. Does having boys or girls run in the family? *CHANCE*, 14(4):8–13, 2001. URL <http://dx.doi.org/10.1080/09332480.2001.10542293>.
- Marieke Roskes, Daniel Sligte, Shaul Shalvi, and Carsten K. W. De Dreu. The right side? Under time pressure, approach motivation leads to right-oriented bias. *Psychology Science*, 22(11):1403–1407, 2011. URL <https://doi.org/10.1177/0956797611418677>.
- Michael E. Sadler and Christopher J. Miller. Performance anxiety: A longitudinal study of the roles of personality and experience in musicians. *Social Psychological and Personality Science*, 1(3):280–287, 2010. URL <http://dx.doi.org/10.1177/1948550610370492>.
- Robert J. Sampson, Stephen W. Raudenbush, and Felton Earls. Neighborhoods and violent crime: A multilevel study of collective efficacy. *Science*, 277(5328):918–924, 1997. ISSN 0036-8075. doi: 10.1126/science.277.5328.918.
- Joseph Scotto, Alfred W. Kopf, and Fredrick Urbach. Non-melanoma skin cancer among Caucasians in four areas of the United States. *Cancer*, 34(4):1333–1338, Oct 1974. URL [https://doi.org/10.1002/1097-0142\(197410\)34:4<1333::AID-CNCR2820340447>3.0.CO;2-A](https://doi.org/10.1002/1097-0142(197410)34:4<1333::AID-CNCR2820340447>3.0.CO;2-A).
- Prabha Siddarth, Alison C. Burggren, Harris A. Eyre, Gary W. Small, and

- David A. Merrill. Sedentary behavior associated with reduced medial temporal lobe thickness in middle-aged and older adults. *PLOS ONE*, 13(4): 1–13, Apr 2018. doi: 10.1371/journal.pone.0195549.
- Judith D. Singer and John B. Willett. *Applied Longitudinal Data Analysis: Modeling Change and Event Occurrence*. Oxford University Press, Inc., New York, 1st edition, 2003.
- Aaron Smith and Maeve Duggan. Online dating and relationships. Pew Research Center, Oct 2013. URL <https://www.issuelab.org/resources/15934/15934.pdf>.
- Stephen M. Stigler. *Statistics on the Table: The History of Statistical Concepts and Methods*. Harvard University Press, 2002.
- Adam Sturtz, Alex Lampert, and Trent Friedrich. Project 5183. St. Olaf College. Statistics 316 Project, 2013.
- Ly Trinh and Pony Ameri. Airbnb price determinants: A multilevel modeling approach. St. Olaf College. Statistics 316 Project, 2018.
- UCLA Statistical Consulting Group. Zero-inflated negative binomial regression: R data analysis examples, 2018. URL <https://stats.idre.ucla.edu/r/dae/zinb/>.
- U.S. Department of Education. National charter school resource center, 2018. URL <https://charterschoolcenter.ed.gov/faqs>.
- Q. H. Vuong. Likelihood ratio tests for model selection and non-nested hypotheses. *Econometrica*, 57:307–333, 1989. doi: 10.2307/1912557.
- Chaniqua J. Walker-Barnes and Craig A. Mason. Ethnic differences in the effect of parenting on gang involvement and gang delinquency: A longitudinal, hierarchical linear modeling perspective. *Child Development*, 72(6):1814–1831, 2001. URL <http://dx.doi.org/10.1111/1467-8624.00380>.
- Robert E. Weiss. *Modeling Longitudinal Data*. Springer-Verlag, New York, 2005.
- Wikipedia contributors. Kentucky Derby. In *Wikipedia*, 2018. URL https://en.wikipedia.org/wiki/Kentucky_Derby.
- John Witte, David Weimer, Arnold Shober, and Paul Schlomer. The performance of charter schools in Wisconsin. *Journal of Policy Analysis and Management*, 26(3):557–573, 2007. URL <http://dx.doi.org/10.1002/pam.20265>.
- Donald R. Zak, William E. Holmes, David C. White, Aaron D. Peacock, and David Tilman. Plant diversity, soil microbial communities, and ecosystem function. *Ecology*, 84(8):2042–2050, 2003. doi: 10.1890/02-0433.