Robert M. Lynch

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Monfort College of Business
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Education

PhD, University of Northern Colorado, 1973.
Area of Study: Applied Statistics

BS, State University of New York, 1966.
Area of Study: Mathematics

RESEARCH, SCHOLARSHIP, AND CREATIVE WORKS

Publications

Juried

Journal Article

Published

Lynch, R. (2016). Generating Correlated Data Sets. *InterStat*.

Jares, T. E., Wilcox, W., Allen, G., Lynch, R. (2014). Correlates of the ETS Field Test in Business-Grades and Choice of Major. *International Journal of Education Research*.

Lynch, R. M., Kim, B. (2007). Multicollinearity: Sometimes it's helpful. *InterStat*.

Lynch, R. M. (2004). Individual Budgets according to Individual Needs. *Journal of Intellectual and Developmental Disability*.

Lynch, R. M., Campbell, Fortune, Frisch, Heinlein (2004). Predictors of Expenditures in Western States. *Journal of Intellectual and Developmental Disability*.

Lynch, R. M., Fortune, J. (2004). Range Estimation: A Monte Carlo Analysis. *InterStat*.

Revising to Resubmit

Lynch, R. Coefficient of variation and sample size. (Under Revision). *Teaching Statistics (Teaching Statistics is a joint effort of the Royal Statistical Society and the American Statistical Association)*.

Submitted

Lynch, R. M. ETS Field Test in Business: A Quality Management Model (Submitted). *Academy of Business Research Journal*.

Book Chapter

Published

Heinlein, K., Heath, D., Fortune, J., Lynch, R. (2006). Coming home on the range: Changing profiles of the people served and the provision of their community and institutional services in reual Wyoming, 1988-2004. In John Holeregger and Ann Poindexter (Ed.), *Providing Health Care for Individuals with Intellectual Disability and Mental Health Conditions in Rural Settings: Problems, Practice and Progress* (pp. 33). Kingston, NY: NADD Press.

Lynch, R. M. (2006). Wyoming works to preserve major improvements in retention by enhancing wages and training. In John Holeregger and Ann Poindexter (Ed.), *Providing Health Care for Individuals with Intellectual Disability and Mental Health Conditions in Rural Settings: Problems, Practice and Progress* (pp. 105). Kingston, NY: NADD Press.

Lynch, R. M., Fortune, J., Smith, G., Campbell, E. M., Clabby II, R. T. (2005). Individual Budgets According to Individual Needs: The Wyoming DOORS System. *Costs and Outcomes: Community Services for People with Intellectual Disabilities*. Baltimore: Brookes Publishing.

Lynch, R. M. (2005). The Wyoming Doors System. In Stancliffe and Lakin (Ed.), *Costs and Outcomes: Community Services for People with Intellectual Disabilities*. Baltimore: Brookes Publishing.

Lynch, R. M. (2000). Linear Models. *Readers Guide to Social Sciences*. London:.

Book Review

Published

Lynch, R. M. *Computing Reviews*. Several textbook reviews published annually. Jan 2010 - present. http://www.computingreviews.com/index_dynamic.cfm?CFID=21135712&CFTOKEN=95001721

Conference (Full Paper) Proceeding

Published

Lynch, R. M., Fortune, J. (2004). *Range Estimation: A Monte Carlo Examination of Variability, Sample Size and Distribution Shape*. International Academy of Business and Public Administration Disciplines.

Research Report

Lynch, R. M. (2005). *Direct Staff Wages*.

Lynch, R. M. (2005). *Wyoming Demonstrates major improvements in retention by enhancing wages and training*.

Software

(2005). *Client, Plans, Claims Database - Aging Division*.

Working Paper

Submitted

Lynch, R. M. *Individual Budgets in the US*. Journal of Intellectual and Developmental Disability.

Non-juried

Monograph

Accepted

Lynch, R. M. (in press). *Wage and Benefits Study of Direct Care Providers*. Department of Health, State of Wyoming.

Lynch, R. M. (in press). *Acquired Brain Injury Waiver Expenditure Model*. Department of Health, State of Wyoming.

Research Report

Lynch, R. M. (2006). *Direct Staff Wage Survey*.

Software

(2005). *DD Client, Plan and Claims Tracking*.

(2005). *Early Intervention Educational Planning*.

Other Publications

(2005).

Professional Presentations

Not Invited

Juried

Lynch, R. M., IABPAD 2018, "ETS Field Test results - A 20 year look at the data," Dallas, TX. (April 2018).

Lynch, R. M., Allen, G. H. (Author & Presenter), SOBIE, "ETS Field Test in Business: A Quality Management Approach," Destin, FL. (April 2017).

Lynch, R. M., SOBIE, "Correlated Datasets - A Monte Carlo analysis," Destin, FL. (April 2016).

Lynch, R., SOBIE, "A probabilistic view of business core course grades with ACT results and choice of major. (Bayesian Approach)," Destin, FL. (April 2015).

Lynch, R., SOBIE, "Business school entry aptitude, university grades and exit performance.," Destin, FL. (April 2014).

Allen, G., Jares, T., Lynch, R., Wilcox, W., IABPAD, "Academic and Demographic

Correlates with the Major Field Test in Business Administration," International Academy of Business and Public Administration Disciplines, Orlando, Florida. (January 2013).

Jares, T., Wilcox, W., Lynch, R., Wilcox, M., ABR, "The ETS Major Field Test in Business-Are We Adding Value," Academic and Business Research Institute, Las Vegas, Nevada. (November 2012).

Lynch, R. M., IABPAD, "Determining Sample Size from the Margin of Error and the Coefficient of Variation.," International Academy of Business and Public Administration Disciplines, Orlando, Florida. (2011).

Lynch, R. M., "What size sample: The relationship between the Coefficient of Variation, the Margin of Error and sample size," International Academy of Business and Public Administration Disciplines, Orlando, Florida. (2010).

Lynch, R. M., "Multiple Regression Collinearity - Suppression Effects," International Academy of Business and Public Administration Disciplines, Orlando, Florida. (2009).

Lynch, R. M., "Estimating the standard deviation using Shewhart factors," International Academy of Business and Public Administration Disciplines, Orlando, Florida. (January 2007).

Lynch, R. M., "Individual Budgets Used in the United States for Community Services for People with Intellectual Disabilities," CARF International ECS Conference,, Tucson, Arizona. (March 2006).

Lynch, R. M., "Sample size - When does a sample begin to look like the population," International Academy of Business and Public Administration Disciplines, New Orleans, Louisiana. (January 2005).

Lynch, R. M., "Predictors of Expenditures in Western States," IASSID, Paris, France. (June 2004).

Lynch, R. M., Fortune, "Range Estimation: A Monte Carlo Examination of Variability, Sample Size and Distribution Shape," International Academy of Business and Public Administration Disciplines, New Orleans, Louisiana. (January 2004).

Lynch, R. M., "Predictors of expenditures in western states," National Association of State Directors of Developmental Disailities Services and Human Services Research Institute, Minneapolis, Minnesota. (July 2003).

Non-juried

Lynch, R. M., SOBIE - 2019, "How sample size influences the range and standard deviation," Destin, FL. (April 2019).

Lynch, R. M. (Discussant), "Winter Meeting 2004-2005," International Academy of Business and Public Administration Disciplines, New Orleans, Louisiana. (2005).

Research in Progress

"A Monte Carlo Analysis of S&P 500 returns".

The Monte Carlo analysis examines S&P returns since 1957 assuming different distributions to estimate the returns. The first analysis uses the distribution of actual returns (to date it

exhibits a negative skew). A second analysis assumes a normal distribution of returns. Have data back to earlier periods when it was referred to as the Composite Index - 90 stocks.

"Estimating the range and standard deviation".
A Monte Carlo examination to determine how sample size influences the standard deviation and range

CONTRACTS, FELLOWSHIPS, GRANTS AND SPONSORED RESEARCH

Funded

Lynch, R. M., "Team Services - EIP program," Sponsored by State of Wyoming - Department of Health, $22,500.00. (2005).

Robert, L. M., "Colorado Legislature," Sponsored by Colorado Fund for Catastrophic Injuries, University of Northern Colorado, $0.00. (2001).

TEACHING

Teaching Experience

University of Northern Colorado

Courses Taught:

BAFN 291, Business Statistics I, 4 courses. 3.00 credit hours.

BAFN 305, Intermediate Business Statistics, 90 courses. 3.00 credit hours.

MBA 605, Data Analytics and Visualization, 3 courses. 3.00 credit hours.

New Programs Developed/Major Program Revision: 2 courses.
BAFN 305 Intermediate Statistics
Developed MBA course 605 Data Analytics and Visualization

Academic Advising

2005.

SERVICE

University Service

Committee Member, Undergraduate Student Research Grants Reviewer. (April 2018 - Present).

Committee Member, University Tenure Appeals Committee. (January 1, 2011 - Present).

Attendee, Graduation, Mace Bearer - Graduation Ceremonies (numerous ceremonies). (May 2017 - July 2018).

Committee Member, UNC Codification Committee. (2008 - 2009).

Committee Member, Student Media Board. (2005).

Committee Member, Faculty Senate - Tenure Appeals Committee. (2004).

Committee Member, Colorado Combined Campaign Committee. (2003).

Committee Member, Constitutional Review Authority. (2003).

Committee Member, United Way Committee. (2003).

Committee Member, MCB Technology Committee. (2002).

Committee Member, Technology Committee. (2001).

Other Institutional Service Activities, UNC United Way Campaign. (2000 - 2001).

Committee Member, Academic Affairs Council. (2000).

Committee Member, Dean's Council. (2000).

Committee Member, President' Cabinet. (2000).

College Service

Committee Member, Global Studies. (2019 - Present).

Committee Member, Search committees - several. (2018 - Present).

Committee Member, MCB Technology Committee. (September 1, 2011 - June 2017).

Committee Member, MCB Faculty Affairs. (September 1, 2009 - August 31, 2011).

Other Institutional Service Activities, Baldrige Quest Conference. (2004).

Other Institutional Service Activities, ETS Exam Session. (2004).

Committee Member, Baldridge Award Committee. (2003).

Committee Member, MCB Technology Committee. (2003).

Committee Member, Baldrige Application Taskforce. (September 1, 2002 - August 31, 2003).

Committee Member, MCB Technology. (September 1, 2002 - August 31, 2003).

Committee Member, MCB Technology Committee. (2001).

Committee Chair, MCB Administrative Council. (September 1, 2000 - August 31, 2001).

Committee Member, MCB Faculty Affairs. (September 1, 2000 - August 31, 2001).

Committee Chair, MCB Mission Review. (September 1, 2000 - August 31, 2001).

Department Service

Faculty Advisor, Statistics/Ops Mgt transfer credit coordination. (January 1, 2014 - Present).

Statistics and Ops Mgt course development. (January 2013 - June 2014).

Committee Member, School of Finance and Quantitative Methods. (September 1, 2005 - August

31, 2006).

Committee Member, Computer Information Systems. (September 1, 2001 - August 31, 2005).

Other Institutional Service Activities, Statistics. (2004).

Faculty Advisor, CMA. (2003).

Professional Service

Reviewer, Journal Article, International Journal of Business, Marketing and Decision Sciences. (2019 - Present).

Editorial Review Board Member, Computing Reviews Journal, Reviewer. (January 1, 2010 - Present).

Conference-Related, International Academy of Business and Public Administration Disciplines (IABPAD), Annual Conference Paper Reviewer and Session Chair. (2010 - 2019).

Reviewer, Textbook, Comuting Reviews Journal. (2006 - 2009).

Reviewer, Journal Article, Computing Reviews. (2005).

Other Professional Service Activities, Royal Statistical Society - London. (2005).

Reviewer, Journal Article, Computing Reviews. (2004).

Other Professional Service Activities, Royal Statistical Sociaty, London, Great Britain. (2004).

Reviewer, Journal Article, Computing Reviews. (2003).

Other Professional Service Activities, Royal Statistical Society, London, Great Britain. (2002).

Other Professional Service Activities, Royal Statistical Society, London, Great Britain. (2001).

Committee Member, International Association for Computer Information. (2000 - 2001).

Other Professional Service Activities, Royal Statistical Society - London. (2000).

Public/Community Service

Committee Chair, Student Media Corp - Chairman of the Board, Greeley, Colorado. (January 2006 - March 2006).

Committee Member, Community Foundation of Greeley, Investment. (2005).

Other Community Service Activities, Community Foundation Investment Committee. (2003).

Other Community Service Activities, Greeley Rotary Club. (2003).

Committee Member, Ullitrics Inc. (2003).

Committee Member, Warren Monfort Home. (2003).

Other Community Service Activities, Community Foundation of Greeley, Investment. (2001).

Other Community Service Activities, Rotary Ambassadorial Scholarship. (2001).

Committee Member, Ullitrics Inc. (2001).

Consulting

Government, Software Development, Department of Health, State of Wyoming, Cheyenne, WY. (January 1, 2010 - December 31, 2019).

Department of Health, State of Wyoming. (2009).

Department of Health, State of Wyoming. (2008).

Department of Health, State of Wyoming. (2007).

State of Wyoming - Department of Health. (2006).

WIND Institute, University of Wyoming. (2006).

Department of Health, State of Wyoming. (2005).

Early Intervention Program. (2005).

Health Care Financing, State of Wyoming. (2005).

WIND Institute - University of Wyoming. (2005).

DEVELOPMENT ACTIVITIES ATTENDED

"Business Analytics," IBM/Google, Boulder, Colorado, United States. (February 2014 - Present).

"Equities and options trading strategies," Denver Trading Group (DTG), Denver, Colorado, United States. (January 1, 2010 - Present).

AWARDS AND HONORS

Other

Marquis Lifetime Achievement, Who Who in America. (October 2019).

Service

Featured Reviewer, Computing Reviews. (February 2017).

Department of Health, State of Wyoming. (2003).

PROFESSIONAL MEMBERSHIPS

Union Colony Investors, LLP. (January 1, 2015 - Present).

Denver Trading Group. (January 1, 2010 - Present).

Fellow, Royal Statistical Society, London. (January 1995 - Present).