



Colegio de San Juan de Letran
Dominican Avenue, Abucay, Bataan
Library and Media Services

RESEARCH GUIDE: QUANTITATIVE METHOD

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RESEARCH GUIDES

QUANTITATIVE METHOD

I. SCOPE NOTE

Quantitative methods emphasize objective measurements and the statistical, mathematical, or numerical analysis of data collected through polls, questionnaires, and surveys, or by manipulating pre-existing statistical data using computational techniques. Quantitative research focuses on gathering numerical data and generalizing it across groups of people or to explain a particular phenomenon.

II. SEARCH AIDS (BT: Broader Term, RT: Related Term, NT: Narrow Term)

BT:

- Quantitative Methods

RT:

- Measurement
- Collecting Data
- Data Gathering
- Data Analysis
- Causation
- Prediction
- Experimental Validity
- Variables
- Independent Variables
- Dependent Variables
- Demographic Profile

NT:

- Characteristics of Experiments
- Types of Experimental Designs
- Repeated-Measures Designs
- Complex Designs
- Quasi-Experimental Designs
- Measurement: Turning Abstractions into Variables

III. INFORMATION RESOURCES

A. LIBRARY RESOURCES

Note: For the appropriate access credentials, please contact the Letran Bataan Library

➤ E-JOURNALS

- Technology and Culture.
<https://www.proquest.com/publication/35182?accountid=190548>
- PloS Computational Biology.
<https://www.proquest.com/publication/1436340?accountid=190548>
- Teaching Sociology.
https://search.proquest.com/central/publication/publications_37846
- Language Learning.
https://search.proquest.com/central/publication/publications_41731
- The Modern Language Journal.
https://search.proquest.com/central/publication/publications_907
- Family and Consumer Sciences Research Journal.
https://search.proquest.com/central/publication/publications_48344
- Quality and Quantity.
https://search.proquest.com/central/publication/publications_54128
- Second Language Research.
https://search.proquest.com/central/publication/publications_37141
- International Journal of Multiple Research Approaches.
https://search.proquest.com/central/publication/publications_76073
- Research in the Schools.
https://search.proquest.com/central/publication/publications_10235

➤ E-THESES

- Fider, N. A. A. (2018). Color categorization: Quantitative methods and applications (Order No. 10827319). Available from ProQuest Central. (2099224271). Retrieved from <https://www.proquest.com/dissertations-theses/color-categorization-quantitative-methods/docview/2099224271/se-2?accountid=190548>
- Shen, T. (2018). Two applications of quantitative methods in education: Sampling design effects in large-scale data and causal inference of class-size effects (Order No. 10792727). Available from ProQuest Central. (2037203591). Retrieved from <https://www.proquest.com/dissertations-theses/two-applications-quantitative-methods-education/docview/2037203591/se-2?accountid=190548>
- Matthews, L. N. H. (2008). Exploring the use of storytelling in quantitative research fields using a multiple case study method (Order No. 3329139). Available from ProQuest Central. (304378786). Retrieved from <https://search.proquest.com/docview/304378786?accountid=190548>
- Salgado, G. (2013). APA reporting standards in quantitative research dissertations from an online EdD program (Order No. 3591738). Available from ProQuest Central. (1435634251). Retrieved from <https://search.proquest.com/docview/1435634251?accountid=190548>
- Inabinett, J. M. (2010). Employee tenure: A quantitative correlational study of employees' values and corporate culture (Order No. 3446270). Available from ProQuest Central. (856342069). Retrieved from <https://search.proquest.com/docview/856342069?accountid=190548>

- Martynych, A. (2010). On research methodology in applied linguistics in 2002–2008 (Order No. 3405771). Available from ProQuest Central. (219962189). Retrieved from <https://search.proquest.com/docview/219962189?accountid=190548>
- Haines, C. A. (2011). Value added by mixed methods research: A multiphase mixed methods design (Order No. 3465565). Available from ProQuest Central. (883387010). Retrieved from <https://search.proquest.com/docview/883387010?accountid=190548>
- Guetterman, T. C. (2015). The development, design, and test of a self-assessment instrument of mixed methods research proficiency (Order No. 3707829). Available from ProQuest Central. (1696302860). Retrieved from <https://search.proquest.com/docview/1696302860?accountid=190548>
- Ducharme, D. R. (2014). Factors that influence the use of qualitative methods by institutional researchers (Order No. 3621977). Available from ProQuest Central. (1548006533). Retrieved from <https://search.proquest.com/docview/1548006533?accountid=190548>
- Zhou, Y. (2014). The adoption of mixed methods in china: An exploratory instrument design (Order No. 3628357). Available from ProQuest Central. (1559272375). Retrieved from <https://search.proquest.com/docview/1559272375?accountid=190548>

B. OPEN ACCESS

➤ FREE E-BOOKS

- Kan, Jeff W. T. (2016). Quantitative Methods for Studying Design Protocols. The Netherlands: Springer. <https://www.pdfdrive.com/quantitative-methods-for-studying-design-protocols-e180506635.html>
- Curwin, Jon. (2013). Quantitative Methods for Business Decisions, 7th ed. United Kingdom: Cengage Learning EMEA. <https://www.pdfdrive.com/quantitative-methods-for-business-decisions-e184570863.html>
- Martin, William E. (2012). Quantitative and Statistical Research Methods: From Hypothesis to Results. California: Jossey-Bass: John Wiley & Sons, Inc. <https://www.pdfdrive.com/quantitative-and-statistical-research-methods-from-hypothesis-to-results-e186611461.html>
- Waters, Donald. (2011). Quantitative Methods for Business, 5th ed. England: Pearson Education Limited. <https://www.pdfdrive.com/quantitative-methods-for-business-e33411435.html>
- Khandker, Shahidur R. (2010). Handbook on Impact Evaluation: Quantitative Methods and Practices. Washington DC: The International Bank for Reconstruction and Development / The World Bank. <https://www.pdfdrive.com/handbook-on-impact-evaluation-quantitative-methods-and-practices-e2326895.html>
- VanderStoep, Scott W. (2008). Research methods for everyday life: blending qualitative and quantitative approaches. San Francisco. <https://www.pdfdrive.com/research-methods-for-everyday-life-blending-qualitative-and-quantitative-approaches-research-methods-for-the-social-sciences-d161070302.html>
- Leavy, Patricia. (2017). Research Design: Quantitative, Qualitative, Mixed – Methods Arts Based Participatory Research Approaches. New York: Guildford Press.

<https://www.pdfdrive.com/research-design-quantitative-qualitative-mixed-methods-arts-based-and-community-based-participatory-research-approaches-d187661181.html>

- Johnson, R. Burke. (2014). Educational research: Quantitative, qualitative, and mixed approaches. Los Angeles: Sage Publications. <https://www.pdfdrive.com/educational-research-quantitative-qualitative-and-mixed-approaches-d53363754.html>
- Creswell, John W. (2014). Research design: qualitative, quantitative, and mixed methods approaches. Los Angeles: Sage Publications. <https://www.pdfdrive.com/qualitative-quantitative-and-mixed-methods-approaches-d91943566.html>
- Jason, Leonard A. (2016). Handbook of Methodological Approaches to Community Based Research: Qualitative, Quantitative, and Mixed Methods. New York: Oxford Press. <https://www.pdfdrive.com/handbook-of-methodological-approaches-to-community-based-research-qualitative-quantitative-and-mixed-methods-d181593217.html>

➤ FREE E-JOURNALS

- Quantitative Methods. <https://www.sciencedirect.com/book/9780124441729/quantitative-methods>
- Quantitative Economics. <https://onlinelibrary.wiley.com/journal/17597331>
- Journal of Applied Quantitative Methods. <https://www.jaqm.ro/index.php>
- Moroccan Journal of Quantitative and Qualitative Research. <https://revues.imist.ma/index.php/MJQR>
- International Journal of Research & Methods in Education. <https://www.tandfonline.com/toc/cwse20/current>
- The Quantitative Methods for Psychology. <http://www.tqmp.org/>
- International Journal of Quantitative Research in Education. <https://www.inderscience.com/jhome.php?jcode=ijqre>
- Journal of Quantitative Methods. <https://ojs.umt.edu.pk/index.php/jqm>
- International Journal of Quantitative and Qualitative Research Methods. <https://www.eajournals.org/journals/international-journal-of-quantitative-and-qualitative-research-methods-ijqqr/>
- International Journal of Qualitative Methods. <https://journals.sagepub.com/home/ijq>

➤ FREE E-THESES

- Abou Rizk, H. (2013). Understanding and Improving Input for Quantitative Risk Analysis in the Construction Industry. (Masters Thesis). University of Alberta. Retrieved from <https://era.library.ualberta.ca/files/ft848r67s>
- Kashyap, S. (2012). Quantitative training system assessments using General Systems Performance Theory. (Masters Thesis). Texas A&M University. Retrieved from <http://hdl.handle.net/1969.1/ETD-TAMU-2000-THESIS-K384>
- Ho, T. (2015). Exploring the Decision-Making Process in Statistical Data Analysis: A Qualitative Study of Quantitative Researchers. (Thesis). UCLA. Retrieved from <http://www.escholarship.org/uc/item/5324k2hr>
- Mahendran, M. (2020). Evaluating quantitative methods for intercategory-intersectionality research: a simulation study. (Thesis). University of Western Ontario. Retrieved from <https://ir.lib.uwo.ca/etd/6913>

- Hampton, J. (2018). The nature of quantitative methods in a level sociology. (Doctoral Dissertation). Cardiff University. Retrieved from <http://orca.cf.ac.uk/118019/>
- Shute, R. (2017). A quantitative study of spelling variation in William Caxton's printed texts. (Doctoral Dissertation). University of Sheffield. Retrieved from <https://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.739847>
- Bansal, S. (2020). Automata-Based Quantitative Verification. (Doctoral Dissertation). Rice University. Retrieved from <http://hdl.handle.net/1911/109208>
- Cummings, R. (2012). Development and application of label free quantitative proteomic methods. (Doctoral Dissertation). University of Liverpool. Retrieved from <http://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.564263>

C. PROFESSIONAL ORGANIZATIONS

- The American Educational Research Association (AERA). <https://www.aera.net/>
- American Statistical Association (ASA). <https://www.amstat.org/>
- National Council on Measurement in Education (NCME). <http://www.ncme.org/home>
- Society of Multivariate Experimental Psychology (SMEP). <https://smep.org/>
- Society for Mathematical Psychology. <http://www.mathpsych.org/>

D. OTHER RELATED WEB PORTALS

- Economic and Social Research Council. <https://esrc.ukri.org/about-us/what-is-social-science/quantitative-research/>
- Nielsen Norman Group. <https://www.nngroup.com/articles/quantitative-user-research-methods/>
- Sapio. <https://sapioresearch.com/quantitative-methods>
- Free Dictionary. <https://acronyms.thefreedictionary.com/Tutorials+in+Quantitative+Methods+for+Psychology>
- Tutorials in Quantitative Methods for Psychology. <https://www.citefactor.org/journal/index/9196/tutorials-in-quantitative-methods-for-psychology#.X5AWYtAzblU>
- Tutorials in Quantitative Methods for Psychology. <https://www.ingentaconnect.com/content/1913-4126;jsessionid=ob1aj7rw2x0p.x-ic-live-01>
- Tutorials in Quantitative Methods for Psychology. <http://journaldatabase.info/journal/issn1913-4126>

E. RELATED RESEARCH GUIDES

- Algonquin College Library. <https://algonquincollege.libguides.com/statistics/web>
- University of Texas Arlington Libraries. https://libguides.uta.edu/quantitative_and_qualitative_research/quant
- Eastern Michigan University Library. <https://guides.emich.edu/quantqualmethods/identify>
- University of Newcastle Library Guides. <https://libguides.newcastle.edu.au/researchmethods>
- Nova Southeastern University. <https://nsufl.libguides.com/quantitative>
- Duke University Libraries. <https://guides.library.duke.edu/c.php?g=289813&p=1931369>
- USC Libraries. <https://libguides.usc.edu/writingguide/quantitative>

- Syracuse University. <https://researchguides.library.syr.edu/c.php?g=258299&p=1724623>
- Connelly Library. <https://library.lasalle.edu/qualquan>

IV. TUTORIALS

- Career Karma. <https://careerkarma.com/blog/quantitative-methods/>
- Udemy. <https://www.udemy.com/course/introduction-to-quantitative-methods/>
- Stu Docu. <https://www.studocu.com/en-gb/document/university-of-southampton/introduction-to-quantitative-methods/introduction-to-quantitative-methods-lecture-notes-stats/509630>
- Quantitative Methods Lecture 1. <https://www.youtube.com/watch?v=b4ajVOM7wN4>
- Overview of Quantitative Research Methods. <https://www.youtube.com/watch?v=cwU8as9ZNIA>
- Developing a Quantitative Research Plan: Choosing a Research Design. <https://www.youtube.com/watch?v=UywO2XuFuBA>
- Quantitative Research Designs. <https://www.youtube.com/watch?v=d-w2HDnUC6s>
- Types of Quantitative Research Designs GM Lectures. <https://www.youtube.com/watch?v=vfi3Nrnpo-U>
- Level I CFA® Video Tutorial: Webinar - Quantitative Methods (Quantitative Analysis). <https://www.youtube.com/watch?v=bqdGUyj7rHA>
- Quantitative Techniques and Analysis - MBA Online Tutorial. <https://www.youtube.com/watch?v=VUWkAbq0GeE>
- Quantitative Methods Research The Basics. <https://www.youtube.com/watch?v=rAxFkvswd9k>

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