Nataly Beribisky, PhD
nataly.beribisky@gmail.com

EDUCATION

SEP 2019 – OCT 2023 **Doctorate of Philosophy,** Quantitative Methods
Psychology Department, York University
Dissertation: *Evaluating the Performance of Existing and Novel Equivalence Tests for Structural Equation Modeling*
Supervisor: Dr. Robert A. Cribbie

SEP 2017 – JUN 2019 **Masters of Arts,** Quantitative Methods
Psychology Department, York University
Thesis: *A Multi-faceted Mess: A Review of Statistical Power Analysis in Psychology Journal Articles*
Supervisor: Dr. Robert A. Cribbie

SEP 2012 – MAY 2017 **Bachelor of Science,** Hons. Psychology
Summa Cum Laude
York University
Thesis: *Paradigms in Industrial Organizational Psychology*
Supervisor: Dr. Michael J. Pettit

HONOURS AND AWARDS

SEP 2022 – APR 2023 **Ontario Graduate Scholarship (OGS), Ontario Ministry of Training**
Value: $15,000

FEB 2023 **Student of the Month – Student and Recent Graduate Committee of the Statistical Society of Canada**

SEP 2019 – SEP 2022 **SSHRC Joseph-Armand Bombardier Canada Graduate Scholarships Program Doctoral Scholarship**
Value: $105,000

MAY 2022 **Mirka Ondrack Award for Outstanding Contributions to the Statistical Consulting Service**

SEP 2021 **Best Student Presentation Award: Quantitative Methods, Canadian Psychological Association (CPA)**

APR 2021 **Michael Friendly Award for Quantitative Research**

JUN 2020	Council of Canadian Departments of Psychology (CCDP) Certificate of Teaching Excellence
MAY 2019	Jim Rankin Prize for Best Data Visualization Presentation Value: $100
MAR 2019	People's Choice Award: 3 Minute Thesis, York University Value: $250
SEP 2018 – SEP 2019	Ontario Graduate Scholarship (OGS), Ontario Ministry of Training Value: $15,000
SEP 2018	York Graduate Scholarship Value: $2,000
JUL 2018	Best Student Presentation Award: Quantitative Methods, Canadian Psychological Association (CPA)
SEP 2017 – SEP 2018	SSHRC Joseph-Armand Bombardier Canada Graduate Scholarship-Master's (CGS M) Value: $17,500
SEP 2017	York Graduate Scholarship Value: $2,000
JUN 2017	Originality Prize in Memory of Paul Jeffrey Kusyszyn Value: $500
JUN 2017	CPA Certificate of Academic Excellence
MAR 2017	Dr. James Wu First Prize – Best Major Research Paper Value: $500
OCT 2016	Institute for Social Research Scholarship Value: $1,380
OCT 2016	Psychology Undergraduate Book Prize – Highest GPA in prior academic session
SEP 2016	President's Honour Roll
MAR 2016	Certificate for Student Leadership

OCT 2015	**Psychology Undergraduate Book Prize** – Highest GPA in prior academic session

RESEARCH EXPERIENCE

SEPT 2017 –PRESENT	**Research Assistant**, Quantitative Methods Psychology Department, York University Dr. Robert A. Cribbie, York University
SEP 2016 – APR 2017	**Research at York (RAY) Student,** Quantitative Methods Psychology Department, York University Supervisor: Dr. Robert A. Cribbie
MAY 2015 – APR 2017	**Research Assistant**, History and Theory Area Psychology Department, York University Supervisors: Dr. Michael J. Pettit and Dr. Christopher Green
JAN 2016 – APR 2016	**Independent Study Project,** History and Theory Area Psychology Department, York University Supervisor: Dr. Michael J. Pettit
JAN 2016 – APR 2016	**Research Assistant/Experimenter,** Organization Studies Schulich School of Business, York University Supervisor: Dr. Chris Bell
SEP 2014 – APR 2015	**Discussion Facilitator**, Introductory Psychology Course Psychology Department, York University Supervisor: Dr. Ronald Sheese

PUBLICATIONS

Beribisky, N., & Hancock, G. R. (2023). Comparing RMSEA-based indices for assessing measurement invariance in confirmatory factor models. *Educational and Psychological Measurement.* https://doi.org/10.1177/00131644231202949

Beribisky, N., & Cribbie, R. A. (2023). Evaluating the performance of existing and novel equivalence tests for fit indices in structural equation modeling. *British Journal of Mathematical and Statistical Psychology.* https://doi.org/10.1111/bmsp.12317

Champigny, C., Feldman, S., **Beribisky, N.,** Desrocher, M. E., Isaacs, T., Krishnan, P., Monette, G., Dlamini, N., Dirks, P., & Westmacott, R. (2023). Predictors of neurocognitive outcome in pediatric ischemic and hemorrhagic stroke. *Child Neuropsychology,* 1-18. https://doi.org/10.1080/09297049.2023.2213461

Wilson, A., **Beribisky, N.,** Desrocher, M., Dlamini, N., Williams, T., & Westmacott, R. (2023). Predictors of externalizing behavior outcomes following pediatric stroke. *Child Neuropsychology*, 1-23. https://doi.org/10.1080/09297049.2023.2185216

Terry, J., Ross, R. M., Nagy, T., Salgado, M., Garrido-Vásquez, P., Sarfo, J. O., ..., **Beribisky, N.,** ... & Field, A. P. (2023). Data from an international multi-centre study of statistics and mathematics anxieties and related variables in university students (the SMARVUS dataset). *Journal of Open Psychology Data*, *11*(1), 8. https://doi.org/10.5334/jopd.80

Beribisky, N., Alter, U., & Cribbie R. (accepted) A Multi-faceted mess: A review of statistical power analysis in psychology journal articles. *Meta-Psychology.* https://psyarxiv.com/3bdfu/

Farmus, L., **Beribisky, N.,** Martinez-Guttierez, N., Alter, U., Panzarella, E., & Cribbie, R. (2022). Effect size reporting and interpretation in social personality research. *Current Psychology.* 1-11. https://doi.org/10.1007/s12144-021-02621-7

Panzarella, E., **Beribisky, N**. & Cribbie, R. A. (2021). Denouncing the use of field-specific effect size distributions to inform magnitude. *PeerJ, 9.* https://doi.org/10.7717/peerj.11383

Beribisky, N., Mara, C., & Cribbie, R. (2020). An equivalence-based procedure for assessing substantial mediation. *The Quantitative Methods for Psychology, 4*(16), 424-441. https://doi.org/10.20982/tqmp.16.4.p424

Hunter, A., **Beribisky, N.**, Farmus, L, & Cribbie, R. (2020). Multiplicity control vs replication: Making an obvious choice even more obvious. *Meta-Psychology, 4*, 1-15. https://doi.org/10.15626/MP.2019.1992

Beribisky, N., Davidson, H., & Cribbie R. (2019). Exploring perceptions of meaningfulness in visual representations of bivariate relationships. *PeerJ, 7.* https://doi.org/10.7717/peerj.6853

*Green, C. D., Abbas, S., Belliveau, A., **Beribisky, N**., Davidson, I., DiGiovanni, J., Heidari, C., & Oosenbrug, E. (2018). Statcheck in Canada: What proportion of CPA journal articles contain errors in the reporting of p-values? *Canadian Psychology, 59*(3), 203- 210. https://doi.org/10.1037/cap0000139

*This article was awarded article of the year in Canadian Psychology for 2018 by the Canadian Psychological Association.

BOOK CHAPTERS
Beribisky, N., & Cribbie, R. (2021). Multiplicity and False-Positives. The SAGE Encyclopedia of Research Design.

SUBMITTED MANUSCRIPTS

Beribisky, N., & Cribbie, R. (revise and resubmit). equivalence testing based fit index: standardized root mean squared residual. *Multivariate Behavioral Research.*

PEER REVIEWER

Academic Journals: Meta-Psychology (3 manuscripts reviewed)
                      Educational and Psychological Measurement (1 manuscript reviewed)

Conference Abstracts: Canadian Psychological Association – Quantitative Methods Section

R PACKAGES

negligible package   version 0.1.3 on CRAN (contributing author)

INVITED TALKS

The Earth is Not Round, $p > .05$: Equivalence Testing in Statistics Education. May, 3, 2023. Presented at Researchers of Statistics Education Network Conference.

The Minimally Meaningful Effect Size: A Vital Component of Pre-Registrations. November 21, 2022. Presented jointly with Carmel Camilleri at York University's Quantitative Methods Forum.

Evaluating the Performance of Existing and Novel Equivalence Tests for Structural Equation Modeling. February 7, 2022. Presented at York University's Quantitative Methods Forum.

An Equivalence Testing Approach for Evaluating Substantial Mediation. April 13, 2021. Presented at York University's Quantitative Methods Forum.

What do I need to know to estimate sample size? An introduction and re-examined use of precision-based power analysis. November 25, 2019. Presented at York University's Quantitative Methods Forum.

Power Analysis: A Multifaceted Mess. January 14, 2019. Presented at York University's Quantitative Methods Forum.

Visualizing Associations Between Variables: Equivalence and Difference-Based Perspectives. January 29, 2018. Presented at York University's Quantitative Methods Forum.

POSTERS AND PRESENTATIONS

Beribisky, N. & Cribbie, R. (2023, June). An Equivalence Testing Based Version of the Standardized Root Mean Squared Residual. Poster accepted for presentation at the Modern Modeling Methods convention, Storrs, CT.

Beribisky, N., Camilleri, C. & Cribbie, R. (2023, June). The Minimum Meaningful Effect Size: A Vital Component of Pre-Registrations. In A. Counsell (Chair), Attitudes, Barriers, and Training in Open Science Research Practices. Symposium presented at the annual convention of the Canadian Psychological Association, Toronto, ON.

Camilleri, C., Wilson, A., **Beribisky, N.,** & Desrocher, M. (2023). Social Skill And Withdrawal Behaviour In Children Following Pediatric Stroke. Poster presented at the annual convention of the Canadian Psychological Association, Toronto, ON.

Celio, V., Martinez Gutierrez, N., **Beribisky, N.,** & Cribbie, R. (2023). Exploring Predictors of Statistics Anxiety among Undergraduate Students. Poster presented at the annual convention of the Canadian Psychological Association, Toronto, ON

Champigny, C., Feldman, S., **Beribisky, N.**, Desrocher, M., Isaacs, T., Krishnan, P., Monette, G., Dlamini, N., Dirks, P., & Westmacott, R. (2023, February). Predictors of neurocognitive outcome following pediatric stroke. Symposium presented at the annual convention of the International Neuropsychological Society, San Diego, CA.

Martinez Gutierrez, N., Alter, U., **Beribisky, N.,** Farmus, L., & Cribbie, R. (2022, June). An R Package for Negligible Effect Testing: Graphing a Novel Effect Size Measure. In J. Li (Chair), *Understanding Meaningful and Negligible Effect Size Measures.* Symposium presented at the annual convention of the Canadian Psychological Association, Calgary, AB.

Beribisky, N. & Cribbie, R. (2022, May). Developing and Evaluating an Equivalence Test for SRMR in Structural Equation Modeling. Poster presented at the annual convention of the Association for Psychological Science, Chicago, IL.

Beribisky, N., & Cribbie, R. (2021, June). Evaluating the Performance of Equivalence Testing Fit Measures in Structural Equation Modeling. In R. Cribbie (Chair), *New Developments in Multivariate Modeling*. Symposium presented at the annual convention of the Canadian Psychological Association, Virtual Conference.

Peters, K., Cribbie, R., & **Beribisky, N.** (2021, June). How Do We Meaningfully Interpret Effect Size Indices? "Unconference" session presented at the annual meeting of the Society for the Improvement of Psychological Science, Virtual Conference.

Adkins, M. C., Alter, U., **Beribisky, N.,** Chalmers, R. P., & Wang, Y. A. (2021, June), Understanding and Incorporating Data Simulation into the Research Pipeline: A Practical Guide for the Novice Simulator. Workshop presented at the annual meeting of the Society for the Improvement of Psychological Science, Virtual Conference.

Beribisky, N., Mara, C., & Cribbie, R. (2021, May). An Equivalence Testing Approach for Evaluating Substantial Mediation. Poster presented at the annual convention of the Association for Psychological Science, Virtual Conference.

Beribisky, N., & Cribbie, R. (2020, June). Comparing sample planning strategies: Moving beyond traditional power analysis in research. Roundtable accepted for presentation at the annual convention of the Canadian Psychological Association, Montreal, QC. Presented virtually due to COVID-19.

Farmus, L., Alter, U., **Beribisky, N.**, Martinez Gutierrez, N., Panzarella, E., & Cribbie, R. A. (2020, June). Adherence to effect size reporting in current psychological research. Paper within a symposium presented at the annual convention of the Canadian Psychological Association, Montreal, QC. Presented virtually due to COVID-19.

Panzarella, E., **Beribisky, N.**, & Cribbie, R. A. (2020, May). Denouncing the use of field-specific effect size distributions to inform magnitude. Poster presented at the annual convention of the Canadian Psychological Association, Montreal, QC. Presented virtually due to COVID-19.

Beribisky, N., Panzarella, E., Martinez-Gutierrez, N., Farmus, L., Alter, U., & Cribbie, R. (2020, June). Comparing Effect Size Reporting and Interpretation Practices Across Social-Personality Journals. Poster accepted for presentation at the annual convention of the Canadian Psychological Association, Montreal, QC. Presented virtually due to COVID-19.

Beribisky, N. & Cribbie R. (2020, May). Evaluating the Performance of a Novel Equivalence Testing Approach for Assessing the Fit of Structural Equation Models. Poster accepted for presentation at the Modern Modeling Methods convention, Storrs, CT. Convention cancelled due to COVID-19.

Beribisky, N., Farmus, L., & Cribbie R. (2019, August). How do we judge associations between variables? A mixed methods analysis. Poster presented at the annual convention of the American Psychological Association, Chicago, IL.

Beribisky, N., & Cribbie R. (2019, June). Current Practices and Modern Methodological Tools: Orthogonal Contrasts, Precision-Based Power Analyses and Equivalence Testing. In A. Sandford (Chair), *Data Analysis in the Brain and Cognitive Sciences: Incorporating Modern Methods.* Symposium presented at the annual convention of the Canadian Psychological Association, Halifax, NS.

Beribisky, N., Alter, U., & Cribbie, R. (2019, May). A Review of Traditional A Priori Power Analysis. In R. Cribbie (Chair), *Modern Issues in Transitioning from NHST to Estimation-Based Statistics.* Symposium presented at the annual convention of the Canadian Psychological Association, Halifax, NS.

Farmus, L, Hunter, A., **Beribisky, N.**, & Cribbie, R. (2018, June). Multiplicity Control vs Replication: Making an Obvious Choice Even More Obvious. In R. Cribbie (Chair)*, Applications of the 'New*

Statistics': Effect Sizes, Replication and other Tools. Symposium presented at the convention of the 29th International Congress of Applied Psychology, Montreal, QC.

Beribisky, N., Farmus, L., & Cribbie, R. (2018, June). Visualizing Associations Between Variables: Equivalence and Difference-Based Perspectives. In R. Cribbie (Chair)*, Applications of the 'New Statistics': Effect Sizes, Replication and other Tools.* Symposium presented at the convention of the 29th International Congress of Applied Psychology, Montreal, QC.

Beribisky, N., Alter, U., & Cribbie, R. (2018, May). Power Analyses: A Multifaceted Mess. Poster presented at the annual convention of the Association for Psychological Science, San Francisco, CA.

Beribisky, N., Davidson, H., & Cribbie, R. (2017, June). Individual Perceptions of a Minimally Meaningful Difference. Poster presented at the annual convention of the Canadian Psychological Association, Toronto, ON.

Green, C. D., Abbas, S., **Beribisky, N.**, Davidson, I., DiGiovanni, J., Heidari, C., & Oosenbrug, E. (2017, June). Is the rate of inconsistency between common test statistics and p-Values in Canadian psychology journals similar to that found in top American psychology journals? In C. D. Green (Chair)*, Statistical anomalies and replication rethinks.* Symposium presented at the annual convention of the Canadian Psychological Association, Toronto, ON.

Counsell, A., **Beribisky, N.**, Farmus, L., & Cribbie, R. (2017, May). Positive Attitudes Toward Using R in Psychology Statistics Courses: Differences Between Graduate and Undergraduate Students. Poster presented at the annual convention of the Association for Psychological Science, Boston, MA.

Beribisky, N. & Pettit, M. J. (2017, April). The Experiment in Introductory Psychology Textbooks. Poster presented at the annual York Research Leaders' Gala, Toronto, ON.

Beribisky, N. & Pettit, M. J. (2017, April). Paradigms in Industrial Organizational Psychology. Poster presented at the annual Psychology Honours Thesis Poster Day, Toronto, ON.

Beribisky, N. & Pettit, M. J. (2017, March). The Experiment in Introductory Psychology Textbooks. Poster presented at the annual York University Undergraduate Research Fair, Toronto, ON.

Davidson, H., **Beribisky, N.**, Farmus, L., & Cribbie, R. (2017, January). The Use of Difference-Based Tests for Hypotheses of a Lack of Association in Social and Personality Psychology. Poster presented at the annual convention of the Society for Personality and Social Psychology, San Antonio, TX.

Sheese, R. & **Beribisky, N.** (2015, May). Engagement in a first year Psychology course that includes writing and the use of SPARK. Teaching and Innovations Workshop, Toronto, ON.

TEACHING
JAN 2023 – APR 2023   **Teaching Assistant**

	PSYC6132 - Univariate Analysis II: Regression York University
FEB 2022	**Instructor** A Hands-On Introduction to Systematic Reviews and Meta-Analysis Quantitative Methods Winter Workshop Series
MAY 2021	**Instructor** A Hands-On Introduction to Systematic Reviews and Meta-Analysis Presented with Dr. Robert A. Cribbie Quantitative Methods Spring Workshop Series
MAY 2021 – JUN 2021	**Teaching Assistant** PSYC6135 – Psychology of Data Visualization York University
JAN 2020 – APR 2020	**Teaching Assistant** PSYC3031 – Intermediate Statistics Laboratory York University
OCT 2019 – NOV 2019	**Instructor** An Applied Introduction to SPSS Institute for Social Research
JAN 2019 – FEB 2019	**Teaching Assistant** An Applied Introduction to SPSS Institute for Social Research
SEP 2018 – DEC 2018	**Teaching Assistant** PSYC2021 – Statistical Methods I York University
SEP 2017 – DEC 2017	**Teaching Assistant** PSYC2021 – Statistical Methods I York University
NOV 2017	**Guest Lecturer** PSYC2021 – Statistical Methods I York University

STATISTICAL CONSULTING

SEP 2018 – MAY 2023	**Statistical Consultant**

Statistical Consulting Service (SCS)
York University

PROFESSIONAL ASSOCIATIONS
Canadian Psychological Association (Quantitative Methods)
Association for Psychological Science (Quantitative Methods)
American Psychological Association

VOLUNTEER AND WORK EXPERIENCE

MAY 2021 – present | **External Statistical Consultant**

SEP 2020 – JUN 2023 | **Co-Founder and Coordinator of ouR coding club**
Canadian code sharing and open science club

OCT 2021 | **Student Representative at Tenure and Promotions Committee for York University's Psychology Department**

MAY 2021 | **Assistant to Organizers of Teaching Statistics in Psychology Virtual Conference**

SEP 2020 – APR 2021 | **York University Quantitative Methods Forum Student Coordinator**

APR 2019 | **York University Psychology Undergraduate Thesis Poster Fair Judge**

SEP 2018 – APR 2019 | **York University Quantitative Methods Forum Student Coordinator**

SEP 2018 – APR 2019 | **Peer Mentor**
Peer Undergraduate Mentorship Program, York University

APR 2018 | **York University Psychology Undergraduate Thesis Poster Fair Judge**

SEP 2017 – APR 2018 | **Peer Mentor**
Peer Undergraduate Mentorship Program, York University