

John Ruscio, PhD
Professor of Psychology
The College of New Jersey

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EMPLOYMENT

Professor of Psychology (2011 – present)
Associate Professor of Psychology (2006 – 2011)
The College of New Jersey, Ewing, NJ

Associate Professor of Psychology (2003 – 2006)
Assistant Professor of Psychology (1998 – 2003)
Elizabethtown College, Elizabethtown, PA

EDUCATION

PhD in Social/Developmental Psychology (May, 1998)
Brandeis University, Waltham, MA

MA in Psychology (May, 1995)
Brandeis University, Waltham, MA

BA in Psychology (May, 1993)
University of Massachusetts, Amherst, MA

RESEARCH INTERESTS

Judgment and Decision Making – Examination of how cognitive limitations and biases affect judgments and decisions, and the implications of these findings.

Sports analytics – Statistical models of momentum effects, win probability, and decision aids for specific in-game situations.

Taxometrics – Development and application of data-analytic procedures to distinguish categorical and continuous variables.

Modern and robust statistical methods – Study of resampling plans, effect size measures, confidence interval construction, and tests that take advantage of computing power.

Scholarly impact – Evaluation of citation-based indices and other measures to quantify the influence of research published by individuals, journals, or programs.

TEACHING EXPERIENCE

The College of New Jersey (2006 – present)

- FSP121: The Price of Everything (First Seminar Program)
- FSP161: Prosperity and Rational Optimism (First Seminar Program)
- Psy096: Orientation to Psychology
- Psy203: Design and Statistical Analysis (formerly titled Design and Analysis)
- Psy299: Research Seminar in Decision Making
- Psy299: Research Seminar in External Validity
- Psy299: Research Seminar in Scholarly Impact
- Psy362: Judgment and Decision Making
- Psy373: Critical Thinking about Mental Health Practice
- Psy373: Science and Pseudoscience in Clinical Psychology
- Psy376: Seminar in Behavioral Economics
- Psy385: Seminar in Applied Psychology (previously offered as Psy374, I/O Seminar)
- Psy470: Senior Seminar in Behavioral Economics
- Psy470: Senior Seminar in Judgment and Decision Making

Elizabethtown College (1998 – 2006)

- FS100: Psychology of Judgment and Decision Making (Freshman Seminar)
- FS100H: Science and Social Institutions (Honors First-Year Seminar)
- Psy105: General Psychology
- Psy213: Research Methods
- Psy218: Psychological Statistics
- Psy213: Research Methods & Statistics I
- Psy218: Research Methods & Statistics II
- Psy333: Tests and Measurements
- Psy372: Critical Thinking about Mental Health Practice
- Psy435: Research in Social Psychology

Brandeis University (1993 – 1998)

- Psy112: Psychology of Judgment and Decision Making (1996)
- Psy51a: Psychological Statistics (1997)
- Psychology of Decision Making (*Brandeis Summer Odyssey* program, 1997, 1998)
- Teaching Assistant for a total of 17 courses (1993 – 1998)
- Invited speaker at Teaching Assistant Orientation (1995, 1996, 1997)
- Quantitative Skills Consultant to the Student Support Services Program (1995 – 1997)

AWARDS AND GRANTS

The College of New Jersey

Sabbatical (Fall, 2013)

- Awarded sabbatical leave to work on a book project dealing with behavioral economics.

Support of Scholarly Activity (SOSA; 2007 – 2022)

- Awarded a 2-year alternative assignment of a reduced teaching load to enhance my research program on:
 - Developing statistical models for situational sports decision making (2020 – 2022)
 - Empirical guidelines for taxometric analysis (2018 – 2020)
 - Reducing subjectivity in taxometric analysis (2016 – 2018)
 - Policy implications of behavioral economics (2014 – 2016)
 - Applications of quantitative indices (2012 – 2014)
 - Citation-based indices of scholarly impact (2010 – 2012)
 - Quantitative methods in psychological research (2007 – 2010)*
- * This was a sustained (3-year) SOSA award

Mini-Grant (2007, 2017)

- Received \$350 (2007) and \$1,000 (2017) in internal funding to support student research collaboration (provided by the TCNJ Dean of Humanities and Social Sciences).

Military Suicide Research Consortium, Tallahassee, FL

Consultant (2013 – 9/20/2015)

- Worked with Drs. Jill Holm-Denoma (PI) and Tracy Witte on “A Taxometric Investigation of Suicide Risk among Military Personnel”; total funding of \$139,620.

National Institutes of Mental Health, Washington, DC

Co-Investigator (12/15/2003 – 11/30/2004; work continued through a no-cost extension)

- Worked with Drs. Ari Solomon (PI), Peter Lewinsohn, and John Seeley on “Taxometric analysis of unipolar depression,” #1 RO3 MH067961-01A1; total funding of \$62,091.

Elizabethtown College

Early Promotion (2003)

- Promoted from Assistant to Associate Professor one year ahead of the normal timeline.

Exceptional Performance Awards (1999, 2000, 2001, 2002 – 2003)

- Citations and merit pay increases for teaching and scholarship.

Summer Research Grants (1999, 2000, 2001, 2002)

- Received \$5,000 in funding for summer research projects.

Faculty Grants (2000, 2001, 2004)

- Received \$400, \$300, and \$350, respectively, to support research with students.

National Center on Child Abuse and Neglect, Washington, DC

Research Grantee (1996 – 1998)

- Received \$13,750 in funding for research conducted in collaboration with the Suffolk County (MA) District Attorney’s Office on decision making in child sexual abuse cases.

Brandeis University

University Prize Instructorship (1996)

- Winner of campus-wide competition, taught seminar on judgment and decision making.

Louis, Frances, and Jeffrey Sachar Fund (1996 – 1997)

- Received \$450 in funding to support dissertation research.

Verna Regan Teaching Assistantship Award (1997)

- Received annual award for outstanding performance as a teaching assistant in psychology.

PROFESSIONAL EXPERIENCE AND SERVICE

Reviewing

Peer-Reviewed Journals

- *Journal of Abnormal Psychology*, Editorial Board (2005 – 2013)
- *Journal of Experimental Psychopathology*, Editorial Board (2011 – present)
- *Psychological Assessment*, Editorial Board (2008 – present)
- *Psychopathology Review*, Editorial Board (2013 – present)
- *Scientific Review of Mental Health Practice*, Associate Editor (2005 – 2012)
- *Scientific Review of Mental Health Practice*, Editorial Board (2003 – 2004)
- Provided reviews of approximately 370 manuscripts submitted to the following 85 journals:

Addiction

Advances in Health Science Education
Alcohol and Alcoholism
American J. of Psychology
Australian J. of Psychology
Applied Cognitive Psychology
Archives of General Psychiatry
Assessment
Australian J. of Psychology
Basic and Applied Social Psychology
Behavior Research Methods
Behavior Therapy
Behavior Research and Therapy
Bipolar Disorders
British J. of Clinical Psychology
British J. of Mathematical and Statistical Psychology
Clinical Psychological Science
Clinical Psychology: Science and Practice
Cognitive Behaviour Therapy
Cognitive Therapy and Research
Comm. in Statistics – Simulation and Computation
Creativity Research Journal
Criminal Justice and Behavior
Current Directions in Psychological Science
Current Psychiatry Reviews
Depression and Anxiety
Development and Psychopathology
Dyslexia

Emotion

European Journal of Pain
Group Processes and Intergroup Relations
International Gambling Studies
International J. of Forensic Mental Health
J. Abnormal Psychology
J. Applied Statistics
J. Association for Information Science and Technology
J. Autism and Developmental Disorders
J. Child Psychology and Psychiatry
J. Classification
J. Clinical and Experimental Neuropsychology
J. Clinical Child and Adolescent Psychology
J. Consulting and Clinical Psychology
J. Criminal Justice
J. Educational and Behavioral Statistics
J. Experimental Psychology: General
J. Gerontology: Psychological Sciences
J. Modern Applied Statistical Methods
J. Obsessive-Compulsive and Related Disorders
J. Personality
J. Personality Assessment
J. Personality Disorders
J. Personality and Social Psychology
J. Psychiatric Research
J. Research in Personality
J. Sex Research

<i>J. Social and Clinical Psychology</i>	<i>PLOS One</i>
<i>J. Sports Analytics</i>	<i>PsyCH</i>
<i>J. Statistical Software</i>	<i>Psychiatry Research</i>
<i>J. Studies on Alcohol</i>	<i>Psychological Assessment</i>
<i>Learning and Individual Differences</i>	<i>Psychological Bulletin</i>
<i>Measurement</i>	<i>Psychological Medicine</i>
<i>Methodological Innovations</i>	<i>Psychological Methods</i>
<i>Methodology</i>	<i>Psychological Reports</i>
<i>Monographs of the Society for Research in Child Development</i>	<i>Psychological Review</i>
<i>Multivariate Behavioral Research</i>	<i>Psychological Science</i>
<i>New Ideas in Psychology</i>	<i>Psychology of Religion and Spirituality</i>
<i>Pediatric Allergy, Immunology, and Pulmonology</i>	<i>Psychometrika</i>
<i>Personality and Individual Differences</i>	<i>Scientific Review of Mental Health Practice</i>
<i>Personality Disorders</i>	<i>Sexual Abuse</i>
<i>Perspectives on Psychological Science</i>	<i>Theory and Psychology</i>

Grant Review

- Served as member of National Institute of Mental Health grant review panels (2002, 2003)
- Served as external merit reviewer for National Science Foundation grants (2001, 2002, 2009)

Book Reviews

- Reviewed second edition of a critical thinking text for Wiley-Blackwell (2015)
- Reviewed first edition of a critical thinking text for W. H. Freeman/Worth/Macmillan (2014)
- Reviewed chapter of a statistics text for Worth (2012)
- Reviewed book proposal on psychological science under scrutiny for Wiley-Blackwell (2012)
- Reviewed book proposal on the measurement of attitudes for Elsevier (2010)
- Reviewed four chapters of a psychological testing text for Allyn & Bacon (2008)
- Reviewed chapter of an introductory psychology text for Allyn & Bacon (2007)
- Reviewed two chapters of a research methods text for Sage (2005)
- Reviewed an entry for the *Encyclopedia of Social Measurement* (2003)
- Reviewed two computerized data analysis texts for Erlbaum (2002)
- Reviewed two editions of a critical thinking text for Allyn & Bacon (1999, 2002)

The College of New Jersey

College-Level Service

- Committee on Faculty Affairs (2012 – 2013)
 - Subcommittees on Academic Speech and College Governance, Faculty Reassigned Time, and Recording of Lectures
- Faculty Senate (2009 – 2012)
 - Working Group on Support for Teaching/Scholarship (2009)
 - Mildred Dahne Award Committee (2011)
- Liberal Learning Program Council (2009 – 2012)
- Quantitative Reasoning Advisory Committee (2007 – 2011)
- Support of Scholarly Activities (SOSA) Committee (2008 – 2009)
 - Ad hoc reviewer for proposals submitted by SOSA Committee members (2010, 2011, 2012)

School-Level Service (Humanities and Social Sciences, formerly Culture and Society)

- Curriculum Committee (2008 – 2012; Chair, 2011 – 2012)
- Strategic Planning Subcommittee on Community and Community Outreach (2009)

Psychology Department Service

- Academic advising – number of advisees (psychology majors) has ranged as high as 53 students
- Academic Programs Committee (2006 – 2021; Chair, 2008 – 2013)
- Adjunct Committee (2009 – 2010; 2014 – 2015; 2017 – 2018)
- Advisory Committee (2010 – 2012)
- Assessment Committee (2014 – 2017)
- Colloquium Committee (2014 – 2017; 2019 – 2021)
- Department Resources Committee (2016 – 2017)
- Ethics Committee (2017 – 2018)
- Grievance Committee (alternate; 2010 – 2011, 2016 – 2017)
- Hiring Committee, Psychologist (non-tenure track) (2014)
- Hiring Committee, Psychologist (area open) (2011 – 2012)
- Hiring Committee, Cognitive Psychologist (2008 – 2009)
- Hiring Committee, Social Psychologist (2007 – 2008)
- Hiring Committee, Counseling/Clinical Psychologist (2006 – 2007)
- Independent Study Committee (2014; 2017 – 2021)
- Mildred Dahne Award Committee (2016 – 2017)
- PIPER Coordinator (2016 – 2019)
- Promotions Committee (2012 – 2013; 2018 – 2019)
- Research Planning and Ethics Committee (2006 – 2016, 2019 – 2021; Chair, 2007 – 2010, 2015 – 2016, 2019 – 2021; Co-Chair 2010 – 2011)

Elizabethtown College

College-Level Service

- Academic Council (2002 – 2005; Chair and representative to Executive Council, 2003 – 2005)
- Core Program Committee (1999 – 2002)
- Dean of the Faculty Search Committee (2006)
- Instructional Resources and Technology Committee (2000)
- Teaching Evaluation Committee (2002)

Psychology Department Service

- Departmental Curriculum Revision/Course Revision and Integration (2000)
- Graduate School Advisor (1998 – 2005)
- Psychology Club Advisor (2002 – 2005)
- Research Participation Coordinator/IRB Proposal Reviewer (2000 – 2006)
- Webmaster (1998 – 2004)

PUBLICATIONS*

As of 7/28/2021, Google Scholar reports a total of 6,723 citations to my work and an *h* index of 41.

Ruscio, J., & Wang, S. B. (in press). Taxometric analysis. Chapter to be published in Elsevier's forthcoming *Comprehensive Clinical Psychology* (2nd ed.).

Crawford, J. T., & **Ruscio, J.** (2021). Asking people to explain complex policies does not increase political moderation: Three preregistered failures to closely replicate Fernbach, Rogers, Fox, and Sloman (2013). *Psychological Science*, *32*(4), 611-621. doi:10.1177/0956797620972367

Siddaway, A. P., Holm-Denoma, J., Witte, T. K., & **Ruscio, J.** (2021). Re-examining the latent structure of suicidal thoughts using taxometric analysis: Implications for testing ideation to action theoretical models. *Psychological Assessment*, *33*(3), 243-254. doi:10.1037/pas0000889

Loyka, C., **Ruscio, J.**, Edelblum, A. B., Hatch, L., Wetreich, B., & Zabel, A. (2020). Weighing people rather than food: A framework for examining external validity. *Perspectives on Psychological Science*, *15*(2), 483-496. doi:10.1177/1745691619876279

Ruscio, J., & Brady, K. (2020). Critical thinking as scientific reasoning: Examining the power of sports momentum. In R. J. Sternberg & D. F. Halpern (Eds.), *Critical Thinking in Psychology* (2nd ed., pp. 280-308). New York: Cambridge University Press.

Crawford, J. T., Fournier, A., & **Ruscio, J.** (2019). Does subjective SES moderate the effect of money priming on system support? A replication of Schuler and Wänke (2016). *Social Psychological and Personality Science*, *10*(1), 103-109. doi:10.1177/1948550617740941

Crawford, J. T., Vodapalli, S., Stingel, R., & **Ruscio, J.** (2019). Do status-legitimizing beliefs moderate effects of racial progress on perceptions of anti-white bias? A replication of Wilkins & Kaiser (2014). *Social Psychological and Personality Science*, *10*(6), 768-774. doi:10.1177/1948550618792057

Guay, J.-P., Knight, R. A., **Ruscio, J.**, & Hare, R. D. (2018). A taxometric investigation of psychopathy in women. *Psychiatry Research*, *261*, 565-573. doi:10.1016/j.psychres.2018.01.015

Ruscio, J., & Carney, L. M., Dever, L., Pliskin, M., & Wang, S. B. (2018). Using the Comparison Curve Fit Index (CCFI) in taxometric analyses: Averaging curves, standard errors, and CCFI profiles. *Psychological Assessment*, *30*(6), 744-754. doi:10.1037/pas0000522

Kuhlthau, K., **Ruscio, J.**, Bastedo, C., & Furey, M. (2017). What's in a grade? A professor's guide to adjusting scores. *Journal on Excellence in College Teaching*, *28*(2), 81-110.

Witte, T. K., Holm-Denoma, J. M., Zuromski, K. L., Gauthier, J. M., & **Ruscio, J.** (2017). Individuals at high risk for suicide are categorically distinct from those at low risk. *Psychological Assessment*, *29*(4), 382-393. doi:10.1037/pas0000349

Ruscio, J. (2016). Taking advantage of citation measures of scholarly impact: Hip hip *h*-index! *Perspectives on Psychological Science*, *11*(6), 905-908. doi:10.1177/1745691616664436.

- Ruscio, J.** (2015). Labeling theory. In R. L. Cautin & S. O. Lilienfeld (Eds.), *The encyclopedia of clinical psychology*. Hoboken, NJ: Wiley. doi:10.1002/9781118625392.wbecp452
- Ruscio, J.** (2015). Rational-theoretical approach to test construction. In R. L. Cautin & S. O. Lilienfeld (Eds.), *The encyclopedia of clinical psychology*. Hoboken, NJ: Wiley. doi:10.1002/9781118625392.wbecp454
- Ruscio, J.** (2015). Rosenhan pseudopatient study. In R. L. Cautin & S. O. Lilienfeld (Eds.), *The encyclopedia of clinical psychology*. Hoboken, NJ: Wiley. doi:10.1002/9781118625392.wbecp425
- Ruscio, J.** (2015). Taxometrics. In R. L. Cautin & S. O. Lilienfeld (Eds.), *The encyclopedia of clinical psychology*. Hoboken, NJ: Wiley. doi:10.1002/9781118625392.wbecp176
- Thomas, J. J., Eddy, K. T., **Ruscio, J.**, Ng, J., Casale, K. E., Becker, A. E., & Lee, S. (2015). Do recognizable lifetime eating disorder categories naturally occur in Hong Kong? A combined latent profile and taxometric approach. *European Eating Disorders Review*, 23(3), 199-209. doi:10.1002/erv.2357
- Kiselica, A. M., & **Ruscio, J.** (2014). Scientific communication in clinical psychology: Examining patterns of citations and references. *Clinical Psychology and Psychotherapy*, 21(1), 13-20. doi:10.1002/cpp.1815
- Ruscio, J.** (2014). Categories or dimensions: Lessons learned from a taxometric analysis of Adult Attachment Interview data. *Monographs of the Society for Research in Child Development*, 79(3), 147-156. doi:10.1111/mono.12119
- Ruscio, J.**, & Gera, B. L. (2013). Generalizations and extensions of the probability of superiority effect size estimator. *Multivariate Behavioral Research*, 48(2), 208-219. doi:10.1080/00273171.2012.738184
- Ruscio, J.**, & Prajapati, B. (2013). Citation-based indices of scholarly impact: Databases and norms. *APS Observer*, 26(7). Available on the World Wide Web: <http://www.psychologicalscience.org/index.php/publications/observer/2013/september-13/citation-based-indices-of-scholarly-impact-databases-and-norms.html>
- Walters, G. D., & **Ruscio, J.** (2013). Trajectories of externalizing behavior: Categories or dimensions? *Journal of Abnormal Child Psychology*, 41(4), 653-666. doi:10.1007/s10802-012-9700-1
- Ruscio, J.**, & Mullen, T. (2012). Confidence intervals for the probability of superiority effect size measure and the area under a receiver operating characteristic curve. *Multivariate Behavioral Research*, 47(2), 201-223. doi:10.1080/00273171.2012.658329
- Ruscio, J.**, & Roche, B. (2012). Determining the number of factors to retain in an exploratory factor analysis using comparison data of known factorial structure. *Psychological Assessment*, 24(2), 282-292. doi:10.1037/a0025697
- Ruscio, J.**, & Roche, B. (2012). Variance heterogeneity in published psychological research: A review and a new index. *Methodology*, 8(1), 1-11. doi:10.1027/1614-2241/a000034

Ruscio, J., Seaman, F., D’Orlando, C., Stremlo, E., & Mahalchik, K. (2012). Measuring scholarly impact using modern citation-based indices. *Measurement: Interdisciplinary Research and Perspectives, 10*(3), 123-146. doi:10.1080/15366367.2012.711147

Ruscio, J. (2011). Why and how should we classify individuals? Introduction to the special section on categories and dimensions. *Scientific Review of Mental Health Practice, 8*(1), 3-5.

Ruscio, J., Ruscio, A. M., & Carney, L. M. (2011). Performing taxometric analysis to distinguish categorical and dimensional variables. *Journal of Experimental Psychopathology, 2*(2), 170-196. doi:10.5127/jep.010910

Ruscio, J., & Walters, G. D. (2011). Differentiating categorical and dimensional data with taxometric analysis: Are two variables better than none? *Psychological Assessment, 23*(2), 287-299. doi:10.1037/a0022054

Lilienfeld, S. O., Lynn, S. J., **Ruscio, J.**, & Beyerstein, B. (2010). Busting big myths in popular psychology. *Scientific American Mind, 21*(1), 42-49.

Lilienfeld, S. O., Lynn, S. J., **Ruscio, J.**, & Beyerstein, B. (2010). The top ten myths of popular psychology. *Skeptic, 15*(3), 36-43.

Ruscio, J. (2010). Irrational beliefs stemming from judgment errors: Cognitive limitations, biases, and experiential learning. In D. David, S. J. Lynn, & A. Ellis (Eds.), *Rational and irrational beliefs: Research, theory, and clinical practice* (pp. 291-213). New York: Oxford University Press.

Ruscio, J., Walters, G. D., Marcus, D. K., & Kacetow, W. (2010). Comparing the relative fit of categorical and dimensional latent variable models using consistency tests. *Psychological Assessment, 22*(1), 5-21. doi:10.1037/a0018259

Walters, G. D., & **Ruscio, J. (2010).** Where do we draw the line? Assigning cases to subsamples for MAMBAC, MAXCOV, and MAXEIG taxometric analyses. *Assessment, 17*(3), 321-333. doi:10.1177/1073191109356539

Arntz, A., Bernstein, D., Gielen, D., van Nieuwenhuijzen, M., Penders, K., Haslam, N., & **Ruscio, J. (2009).** Cluster-C, paranoid, and borderline personality disorders are dimensional: Evidence from taxometric tests. *Journal of Personality Disorders, 23*(6), 606-628. doi:10.1521/pedi.2009.23.6.606

Goldstein, L., & **Ruscio, J. (2009).** Thinking outside the Black Box: The relative risk of suicide with antidepressant use. *Scientific Review of Mental Health Practice, 7*(1), 3-16.

Lilienfeld, S. O., Lynn, S. J., **Ruscio, J.**, & Beyerstein, B. (2009). *The 50 great myths of popular psychology: Shattering widespread misconceptions about human behavior*. Hoboken, NJ: Wiley-Blackwell. [This book has been translated into 21 languages.]

Lilienfeld, S. O., Lynn, S. J., **Ruscio, J.**, & Beyerstein, B. (2009). Mythbusting in introductory psychology courses: The whys and the hows. *Essays in Excellence in Teaching, 9*, 55-61.

- Ruscio, J.** (2009). Assigning cases to groups using taxometric results: An empirical comparison of classification techniques. *Assessment, 16*(1), 55-70. doi:10.1177/1073191108320193
- Ruscio, J.,** Brown, T. A., & Ruscio, A. M. (2009). A taxometric investigation of *DSM-IV* Major Depression in a large outpatient sample: Interpretable structural results depend on the mode of assessment. *Assessment, 16*(2), 127-144. doi:10.1177/1073191108330065
- Ruscio, J.,** & **Kaczetow, W.** (2009). Differentiating categories and dimensions: Evaluating the robustness of taxometric analyses. *Multivariate Behavioral Research, 44*(2), 259-280. doi:10.1080/00273170902794248
- Ruscio, J.,** & Walters, G. D. (2009). Using comparison data to differentiate categorical and dimensional data by examining factor score distributions: Resolving the mode problem. *Psychological Assessment, 21*(4), 578-594. doi:10.1037/a0016558
- Walters, G. D., & **Ruscio, J.** (2009). To sum or not to sum: Taxometric analysis with ordered categorical assessment items. *Psychological Assessment, 21*(1), 99-111. doi:10.1037/a0015010
- Lilienfeld, S. O., **Ruscio, J.,** & Lynn, S. J. (Eds.) (2008). *Navigating the mindfield: A guide to separating science from pseudoscience in mental health.* Amherst, NY: Prometheus Books.
- Marcus, D. K., **Ruscio, J.,** Lilienfeld, S. O., & Hughes, K. (2008). Converging evidence for the latent structure of Antisocial Personality Disorder: Consistency of taxometric and latent class analyses. *Criminal Justice and Behavior, 35*(3), 284-293. doi:10.1177/0093854807311679
- Ruscio, J.** (2008). Constructing confidence intervals for Spearman's rank order correlation with ordinal data. *Journal of Modern Applied Statistical Methods, 7*(2), 416-434.
- Ruscio, J.** (2008). A probability-based measure of effect size: Robustness to base rates and other factors. *Psychological Methods, 13*(1), 19-30. doi:10.1037/1082-989X.13.1.19
- Ruscio, J.,** & **Kaczetow, W.** (2008). Simulating multivariate nonnormal data using an iterative algorithm. *Multivariate Behavioral Research, 43*(3), 355-381. doi:10.1080/00273170802285693
- Ruscio, J.,** & Ruscio, A. M. (2008). Categories and dimensions: Advancing psychological science through the study of latent structure. *Current Directions in Psychological Science, 17*(3), 203-207. doi:10.1111/j.1467-8721.2008.00575.x
- Guay, J., **Ruscio, J.,** Hare, R., & Knight, R. A. (2007). A taxometric study of the latent structure of psychopathy: Evidence for dimensionality. *Journal of Abnormal Psychology, 116*(4), 701-716. doi:10.1037/0021-843X.116.4.701
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246. doi:10.1037/1040-3590.19.2.241

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Ruscio, J., Zimmerman, M., McGlinchey, J. B., Chelminski, I., & Young, D. (2007). Diagnosing Major Depressive Disorder: XI. A taxometric investigation of the categorical-dimensional debate on the structure underlying *DSM-IV* symptoms. *Journal of Nervous and Mental Disease*, 195(1), 10-19. doi:10.1097/01.nmd.0000252025.12014.c4

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Ruscio, J. (2006). *Critical thinking in psychology: Separating sense from nonsense* (2nd Ed.). Pacific Grove, CA: Wadsworth.

Ruscio, J., Haslam, N., & Ruscio, A. M. (2006). *Introduction to the taxometric method: A practical guide*. Mahwah, NJ: Lawrence Erlbaum Associates.

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Ruscio, J., & Stern, A. R. (2006). The consistency and accuracy of holistic judgment: Clinical decision making with a minimally complex task. *Scientific Review of Mental Health Practice*, 4(2), 52-65.

Solomon, A., **Ruscio, J.**, & Lewinsohn, P. R. (2006). A taxometric investigation of unipolar depression in a large outpatient sample. *Psychological Medicine*, 36(7), 973-986. doi:10.1017/S0033291706007689

Ruscio, J. (2005). Exploring controversies in the art and science of polygraph testing. *Skeptical Inquirer*, 29(1), 34-39.

Ruscio, J. (2004). Diagnoses and the behaviors they denote: A critical evaluation of the labeling theory of mental illness. *Scientific Review of Mental Health Practice*, 3(1), 5-22.

Ruscio, J., & Ruscio, A. M. (2004). Clarifying boundary issues in psychopathology: The role of taxometrics in a comprehensive program of structural research. *Journal of Abnormal Psychology*, 113(1), 24-38. doi:10.1037/0021-843X.113.1.24

Ruscio, J., & Ruscio, A. M. (2004). A conceptual and methodological checklist for conducting a taxometric investigation. *Behavior Therapy*, 35(2), 403-447. doi:10.1016/S0005-7894(04)80044-3

Ruscio, J., & Ruscio, A. M. (2004). A nontechnical introduction to the taxometric method. *Understanding Statistics*, 3(3), 151-193. doi:10.1207/s15328031us0303_2

Ruscio, J., Ruscio, A. M., & Keane, T. M. (2004). Using taxometric analysis to distinguish

a small latent taxon from a latent dimension with positively skewed indicators: The case of Involuntary Defeat Syndrome. *Journal of Abnormal Psychology*, 113(1), 145-154.
doi:10.1037/0021-843X.113.1.145

Ruscio, J. (2003). Comparing Bayes' Theorem to frequency-based approaches to teaching Bayesian reasoning. *Teaching of Psychology*, 30(4), 325-328.

Ruscio, J. (2003). Holistic judgment in clinical practice: Utility or futility? *Scientific Review of Mental Health Practice*, 2(1), 38-48.

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Ruscio, J. (2002). *Clear thinking with psychology: Separating sense from nonsense*. Pacific Grove, CA: Wadsworth.

Ruscio, J. (2002). The emptiness of holism. *Skeptical Inquirer*, 26(2), 46-50.

Ruscio, J., & Ruscio, A. M. (2002). A structure-based approach to psychological assessment: Matching measurement models to latent structure. *Assessment*, 9(1), 4-16.

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Ruscio, J. (2000). Risky business: Vividness, availability, and the media paradox. *Skeptical Inquirer*, 24(2), 22-26. [Reprinted in Nisbet, L. (Ed.) (2001). *The gun control debate: You decide* (pp. 167-174). Amherst, NY: Prometheus Books.]

Ruscio, J. (2000). The role of complex thought in clinical prediction: Social accountability and the need for cognition. *Journal of Consulting and Clinical Psychology*, 68(1), 145-154.
doi:10.1037/0022-006X.68.1.145

Ruscio, J. (2000). Taxometric analysis with dichotomous indicators: The modified MAXCOV procedure and a case removal consistency test. *Psychological Reports*, 87, 929-939.
doi:10.2466/PRO.87.7.929-939

Ruscio, J., & Ruscio, A. M. (2000). Informing the continuity controversy: A taxometric analysis of depression. *Journal of Abnormal Psychology*, 109(3), 473-487. doi:10.1037/0021-843X.109.3.473

Ruscio, J. (1999). Statistical models and strong inference in social judgment research. *Psycology*, 10(27). Available on the World Wide Web: <http://www.cogsci.soton.ac.uk/psyc-bin/newpsy?10.027>

Ruscio, J., & Amabile, T. M. (1999). How does creativity happen? In N. Colangelo & S. G. Assouline (Eds.), *Talent Development, Vol. 3* (pp. 119-132). Scottsdale, AZ: Gifted Psychology Press.

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Ruscio, J. (1998). Gatekeeping, compensation, and fallibility. *American Psychologist, 53*(5), 568-569. doi:10.1037/0003-066X.53.5.568

Ruscio, J. (1998). Information integration in child welfare cases: An introduction to statistical decision making. *Child Maltreatment, 3*(2), 143-156. doi:10.1177/1077559598003002008

Ruscio, J. (1998). The perils of post-hockery. *Skeptical Inquirer, 22*(6), 44-48.

Ruscio, J., Whitney, D., & Amabile, T. M. (1998). Looking inside the fishbowl of creativity: Verbal and behavioral predictors of creative performance. *Creativity Research Journal, 11*(3), 243-263. doi:10.1207/s15326934crj1103_4

Tucker, J. S., Kressin, N. R., Spiro, A., & **Ruscio, J.** (1998). Intrapersonal characteristics and the timing of divorce: A prospective investigation. *Journal of Social and Personal Relationships, 15*(2), 211-225. doi:10.1177/0265407598152005

WORK IN PROGRESS

Costigan, S., Ruscio, J., & Crawford, J. T. Performing “small telescopes” analysis by simulation: Empirically constructing confidence intervals and estimating statistical power for standard or non-standard measures of effect size.

Ruscio, J., & Brady, K. Estimating win probability for NFL games.

Ruscio, J., & Giuliano, M. J. Using a special-purpose win probability model to improve fourth-down decisions in the National Football League.

Ruscio, J., & Mattei, D. Comparing methods for normalizing data across a wide range of non-normal data conditions using multiple normality criteria.

APPS and PROGRAM CODE

Ruscio, J. (2021). NFL 4th down calculator. Shiny app. Available at https://ruscio.shinyapps.io/4th_Down_WP_app/

Ruscio, J. (2021). NFL 4th down graph. Shiny app. Available at https://ruscio.shinyapps.io/4th_Down_Graph_app/

Ruscio, J. (2021). NFL win probability calculator. Shiny app. Available at https://ruscio.shinyapps.io/winprob_app/

Ruscio, J. (2017). Quantitative methods programs. Ewing, NJ: The College of New Jersey, Psychology Department. [Programs code associated with techniques in published articles is available at <http://ruscio.pages.tcnj.edu/quantitative-methods-program-code/>]

Ruscio, J. (2018). RGenData: Generates multivariate nonnormal data and determines how many factors to retain. R package version 1.0. Available at <https://CRAN.R-project.org/package=RGenData>.

Ruscio, J. (2018). RImpact: Calculates measures of scholarly impact. R package version 1.0. Available at <https://CRAN.R-project.org/package=RImpact>.

Ruscio, J. (2020). RProbSup: Calculates probability of superiority. R package version 3.0. Available at <https://CRAN.R-project.org/package=RProbSup>.

Ruscio, J., & Costigan, S. (2021). RSmallTelescopes. R package version 1.0.3. Available at <https://CRAN.R-project.org/package=RSmallTelescopes>.

Ruscio, J., & Wang, S. B. (2021). RTaxometrics: Taxometric analysis. R package version 3.1. Available at <https://CRAN.R-project.org/package=RTaxometrics>.

Ruscio, J. (2020). Statistical tables and calculators. Ewing, NJ: The College of New Jersey, Psychology Department. [An Excel file containing worksheets to perform a wide range of statistical analyses, along with supplementary calculators and tables, is available at <http://ruscio.pages.tcnj.edu/stats/>]

BOOKS FOR CLASSROOM USE

Ruscio, J. (2015). *What they imagine they can design*. Ewing, NJ: The College of New Jersey, Psychology Department. [This novel introduces basic economic principles and has been used in courses on behavioral economics.]

Ruscio, J. (2021). *Fundamentals of research design and statistical analysis*. Ewing, NJ: The College of New Jersey, Psychology Department. [This text briefly reviews and illustrates key concepts and provides instructions on using Jamovi for data analysis, reporting results in APA style, and several appendices. It's been used in a course on research design and statistical analysis. I make this available via Canvas and at <http://ruscio.pages.tcnj.edu/stats/>.]

INVITED TALKS, COLLOQUIA, AND WORKSHOPS

Ruscio, J. (2021, March). *Decision making in sports: Challenging conventional wisdom with analytics*. Colloquium presented at The College of New Jersey, Ewing, NJ.

Ruscio, J. (2018, April). *Testing for momentum effects in sports: How to tease apart a causal influence from a cognitive illusion*. Colloquium presented at The College of New Jersey, Ewing, NJ.

Ruscio, J. (2014, March). *What They Imagine They Can Design: A story of difficult choices and new ways of thinking*. Brown bag lecture presented at The College of New Jersey, Ewing,

NJ.

Ruscio, J. (2013, February). *Behavioral economics and the libertarian paternalism approach to policy*. Talk presented to the Philadelphia Association for Critical Thinking, Philadelphia, PA.

Ruscio, J. (2011, September). *Empirically supported guidelines for implementing the taxometric method*. Research talk presented to clinical psychology faculty and graduate students at the University of Delaware, Newark, DE.

Ruscio, J. (2010, September). *Assessing the scholarly impact of a psychologist*. Brown bag lecture presented at The College of New Jersey, Ewing, NJ.

Ruscio, J. (2010, May). *Embracing the challenges of applying psychological science*. APS-STP Teaching Institute Distinguished Lecture at the annual meeting of the Association for Psychological Science, Boston, MA.

Ruscio, J. (2009, September). *Categories and dimensions: Empirically determining how to conceptualize and measure variables most effectively*. Brown bag lecture presented at The College of New Jersey, Ewing, NJ.

Ruscio, J. (2008, April). *Evaluating the robustness of taxometric analysis using a refined technique for generating comparison data*. Colloquium presented at the University of Vermont, Burlington, VT.

Ruscio, J. (2008, April). *Using the taxometric method to differentiate taxonic and dimensional data: An introduction using a suite of R programs*. Workshop presented at the University of Vermont, Burlington, VT.

Ruscio, J. (2007, November). *Teasing apart categories and dimensions: Parallel analyses of simulated comparison data sets*. Colloquium presented at Fairleigh Dickinson University, Teaneck, NJ.

Ruscio, J. (2005, March). *Data analysis in the age of cheap computing power: Simple strategies for improving or replacing traditional statistical tests*. Invited talk presented in a seminar for social/developmental psychology faculty and graduate students at Brandeis University, Waltham, MA.

Ruscio, J. (2004, October). *Taking advantage of teacher-scholar opportunities: Studying what we teach*. Elizabethtown College faculty discussion group, Elizabethtown, PA.

Ruscio, J. (2003, March). *Simulating comparison data for taxometric analysis*. Invited talk presented in a seminar for cognitive psychology faculty and graduate students at the University of Maryland, College Park, MD.

Ruscio, J. (2003, January). *The science and pseudoscience of polygraph testing*. Elizabethtown College faculty forum, Elizabethtown, PA.

Ruscio, J. (2002, November). *The pitfalls of polygraph testing*. Invited talk presented to the Philadelphia Association for Critical Thinking, Philadelphia, PA.

Ruscio, J., & Ruscio, A. M. (2001, November). *Differentiating categories from*

dimensions: Using taxometric analysis to assess the structure of psychological constructs. Advanced Methodology and Statistics Seminar presented at the annual meeting of the Association for Advancement of Behavior Therapy, Philadelphia, PA.

Ruscio, J. (2000, September). *Clinical judgment, irrationality, and the emptiness of holism.* Invited talk presented to the Free Thought Forum, Harrisburg, PA.

Ruscio, J. (1999, September). *Human judgment and student evaluation: A researcher's perspective on the teaching role.* Elizabethtown College faculty forum, Elizabethtown, PA.

CONFERENCE PRESENTATIONS*

Loyka, C. M., **Ruscio, J.** (2019, March). *Weighing people rather than food: Examining the external validity of eating behavior modification research.* Paper presented at the annual meeting of the Society of Behavioral Medicine, Washington, DC.

Wang, S. B., & **Ruscio, J.** (2017, September). Differentiating categories and dimensions with the RTaxometrics package. Paper presented at the annual meeting of the Society for Research in Psychopathology, Denver, CO.

Witte, T. K., Holm-Denoma, J., Gauthier, J., Zuromski, K., & **Ruscio, J.** (2015, April). *A taxometric investigation of suicide risk.* Paper presented at the annual meeting of the American Association of Suicidology, Atlanta, Georgia.

Eddy, K. T., Crosby, R. D., **Ruscio, J.**, Franko, D. L., Keshaviah, A., & Herzog, D. B. (2010, October). *Latent structure of DSM-IV-TR eating disorders.* Paper presented at the Eating Disorders Research Society Meeting, Boston, MA.

Ruscio, J., & Kaczetow, W. (2008, May). *A refined comparison data technique and the robustness of taxometric analysis.* Paper presented at the annual meeting of the Association for Psychological Science, Chicago, IL.

Marcus, D. K., Poythress, N. G., Jr., & **Ruscio, J.** (2008, March). *Failure to replicate a pathological dissociative taxon in a large offender sample.* Paper presented at the annual meeting of the American Psychology-Law Society, Jacksonville, FL.

Marcus, D. K., **Ruscio, J.**, Lilienfeld, S. O., & Hughes, K. T. (2007, August). *Converging evidence for the latent structure of Antisocial Personality Disorder.* Paper presented at the annual meeting of the American Psychological Association, San Francisco, CA.

Guay, J., **Ruscio, J.**, Daversa, M., Knight, R. A., & Hare, R. (2006, October). *A taxometric investigation of psychopathy in women.* Paper presented at the annual meeting of the Society for Research in Psychopathology, San Diego, CA.

Zammit, C., Schreiber, M., **Ruscio, J.**, & Lilienfeld, S. O. (2006, March). *Is more (expensive) better? Relations between funding and citation impact in psychological research.* Paper presented at the annual meeting of the Eastern Psychological Association, Baltimore, MD.

Guay, J., **Ruscio, J.**, Knight, R. A., & Hare, R. (2005, November). *Hunting for snarks and*

taxons in psychopathy. Paper presented at the annual meeting of the American Society of Criminology, Toronto, Ontario, Canada.

Zimmerman, E., & **Ruscio, J.** (2005, March). *Is intelligence related to choice of leisure activities?* Paper presented at the annual meeting of the Eastern Psychological Association, Boston, Massachusetts.

Guay, J., **Ruscio, J.**, Hare, R., & Knight, R. A. (2004, October). *The latent structure of psychopathy: When more is simply more*. Paper presented at the annual meeting of the Society for Research in Psychopathology, St. Louis, MO.

Ruscio, J. (2004, May). *Bootstrapping sampling distributions to quantify the fit of taxometric curves*. Paper presented at the annual meeting of the American Psychological Society, Chicago, IL.

Craver-Lemley, C., **Ruscio, J.**, Spiegelhalter, C., & Murlatt, C. (2004, April). *Effects of music on preschool spatial performance*. Paper presented at the annual meeting of the Eastern Psychological Association, Washington, DC.

Ruscio, J., Mills, J., & Skonieczki, S. (2004, April). *Forming impressions in semi-structured interviews: Does it take intelligence to recognize it in others?* Paper presented at the annual meeting of the Eastern Psychological Association, Washington, DC.

Ruscio, A. M., **Ruscio, J.**, & Borkovec, T. D. (2002, November). *Latent structure of generalized anxiety disorder: I. Taxometric results in an analogue sample*. In N. Amir & B. Schmidt (Chairs), Taxometric approaches to psychopathology. Symposium conducted at the annual meeting of the Association for Advancement of Behavior Therapy, Reno, NV.

Ruscio, J. (2002, August). *Incremental validity of taxometric procedures: MAMBAC, MAXEIG, and L-Mode*. Paper presented at the annual meeting of the American Psychological Association, Chicago, IL.

Ruscio, J. (2002, August). *Understanding and improving the reliability of psychodiagnosis: Sources of error*. Paper presented at the annual meeting of the American Psychological Association, Chicago, IL.

McCloskey, M. S., Coccaro, E. F., **Ruscio, J.**, & Berman, M. E. (2002, May). *A taxometric analysis of aggression: Implications for IED*. Paper presented at the annual meeting of the American Psychiatric Association, Philadelphia, PA.

Adams, R. W., & **Ruscio, J.** (2002, March). *Proctoring tests and signing honor codes: An experimental analysis of their effectiveness as deterrents of academic cheating*. Paper presented at the annual meeting of the Eastern Psychological Association, Boston, MA.

Ruscio, A. M., & **Ruscio, J.** (2001, June). *Should the BDI be used to classify groups? A taxometric study*. Paper presented at the annual meeting of the American Psychological Society, Toronto, Ontario, Canada.

Ruscio, A. M., & **Ruscio, J.** (2001, June). *Taxometric evidence for continuity between normal stress reactions and PTSD*. Paper presented at the annual meeting of the American Psychological Society, Toronto, Ontario, Canada.

Ruscio, J. (2001, June). *Simulating comparison data to help interpret the results of taxometric analyses*. Paper presented at the annual meeting of the American Psychological Society, Toronto, Ontario, Canada.

Henrich, L., & **Ruscio, J.** (2001, April). *How do Democrats and Republicans differ? The inconsistency and unpredictability of political attitudes*. Paper presented at the annual meeting of the Eastern Psychological Association, Washington, DC.

Stern, A. R., & **Ruscio, J.** (2001, April). *An evaluation of the consistency and accuracy of holistic judgment*. Paper presented at the annual meeting of the Eastern Psychological Association, Washington, DC.

Sweney, L. A., & **Ruscio, J.** (2001, April). *The accuracy and confidence of judgments based on dreams and biographies*. Paper presented at the annual meeting of the Eastern Psychological Association, Washington, DC.

Ruscio, J. (2000, August). *Applications of the coherent cut kinetics approach to taxometrics: A structure-based approach to psychological assessment*. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.

Ruscio, J., & Ruscio, A. M. (2000, August). *The continuity of depression: A mixed-sex replication*. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.

Ruscio, J., Guadalupe, J., & Hoyer, C. (2000, March). *What will the new millennium deliver? Overconfidence in predictions*. Paper presented at the annual meeting of the Eastern Psychological Association, Baltimore, MD.

Ruscio, J., & Ruscio, A. M. (1999, August). *Taxometric evidence for the continuity of depression*. Paper presented at the annual meeting of the American Psychological Association, Boston, MA.

Ruscio, J. (1999, June). *Dichotomous indicator taxometric analyses: MAXCOV modifications and a consistency test*. Paper presented at the annual meeting of the American Psychological Society, Denver, CO.

Ruscio, J., Amabile, T. M., & Whitney, D. (1995, April). *Exploratory analysis of the creative process in problem solving*. Paper presented at the annual meeting of the Eastern Psychological Association, Boston, MA.

Whitney, D., **Ruscio, J.**, Amabile, T. M., & Castle, M. (1995, April). *The effect of planning on creativity*. Paper presented at the annual meeting of the Eastern Psychological Association, Boston, MA.

* For publications and presentations, names of students are underlined.