

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

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#### **EMPLOYMENT**

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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

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#### **EDUCATION**

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*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

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#### **RESEARCH INTERESTS**

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*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 and use of resampling plans, effect size measures, confidence interval construction, and meta-analytic methods.

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

## **TEACHING EXPERIENCE**

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### **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 Meta-Analysis
- 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**

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### **The College of New Jersey**

*Sabbatical* (Fall, 2024)

- Awarded sabbatical leave to work on a meta-analysis of polygraph testing.

*Sabbatical* (Fall, 2013)

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

*Support of Scholarly Activity* (SOSA; 2007 – 2024)

- Awarded a 2-year alternative assignment of a reduced teaching load to enhance my research program on:
    - Reducing bias and noise in judgments and decisions (2022 – 2024)
    - 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.

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## **PROFESSIONAL EXPERIENCE AND SERVICE**

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### **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 – 2020)
- *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 390 manuscripts submitted to the following 91 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*

*Child Development*

*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. American Academy of Child and Adolescent Psychiatry*  
*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. Psychosomatic Research*  
*J. Research in Personality*  
*J. Sex Research*  
*J. Social and Clinical Psychology*  
*J. Sports Analytics*  
*J. Statistical Software*

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

#### *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 – 2023; Chair, 2008 – 2013)
- Adjunct Committee (2009 – 2010; 2014 – 2015; 2017 – 2018)
- Advisory Committee (2010 – 2012)
- Assessment Committee (2014 – 2017; 2021 – 2022)
- Colloquium Committee (2014 – 2017; 2019 – 2021; 2023 – 2024)
- Core Sequence Working Group (2023 – 2024)
- Department Resources Committee (2016 – 2017)
- Ethics Committee (2017 – 2018; 2023 – 2024)
- 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 – 2022)
- Methods Core Ad Hoc Committee (2023 – 2024)
- Mildred Dahne Award Committee (2016 – 2017)
- PIPER Committee (2016-2023; Coordinator 2016 – 2019)
- Promotions Committee (2012 – 2013; 2018 – 2019)
- Research Planning and Ethics Committee (2006 – 2016, 2019 – 2024; Chair, 2007 – 2010, 2015 – 2016, 2019 – 2024; 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)

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## PUBLICATIONS\*

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As of 3/20/2024, Google Scholar reports a total of 8,091 citations to my work and an *h* index of 43.

Costigan, S., **Ruscio, J.**, & Crawford, J. T. (2024). Performing “small telescopes” analysis by simulation: Empirically constructing confidence intervals and estimating statistical power for measures of effect size. *Advances in Methods and Practices in Psychological Science*, 7(1), 1-14. doi:10.1177/25152459241227865

Goretzko, D., & **Ruscio, J.** (2023). The comparison data forest: A new comparison data approach to determine the number of factors in exploratory factor analysis. *Behavior Research Methods*. doi:10.3758/s13428-023-02122-4

**Ruscio, J.**, & Wang, S. B. (2022) Taxometric analysis. In G. J. G. Asmundson (Ed.), *Comprehensive Clinical Psychology* (2<sup>nd</sup> Ed., Vol. 3, pp. 148-175). New York: Elsevier. doi:10.1016/B978-0-12-818697-8.00217-X

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* (2<sup>nd</sup> 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., & Kaczetow, 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

**Ruscio, J.** (2007). Taxometric analysis: An empirically-grounded approach to implementing the method. *Criminal Justice and Behavior*, *34*(12), 1588-1622. doi:10.1177/0093854807307027

**Ruscio, J.**, & Marcus, D. K. (2007). Detecting small taxa using simulated comparison data: A reanalysis of Beach, Amir, and Bau's (2005) data. *Psychological Assessment*, *19*(2), 241-246. doi:10.1037/1040-3590.19.2.241

**Ruscio, J.**, Ruscio, A. M., & Meron, M. (2007). Applying the bootstrap to taxometric analysis: Generating empirical sampling distributions to help interpret results. *Multivariate Behavioral Research*, *42*(2), 349-386. doi:10.1080/00273170701360795

**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* (2<sup>nd</sup> Ed.). Pacific Grove, CA: Wadsworth.

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### *APPS and PROGRAM CODE*

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**Mattei, D., & Ruscio, J.** (2021). Rita: Automated transformations, normality testing, and reporting. R package version 1.0.0. Available at <https://CRAN.R-project.org/package=Rita>.

**Ruscio, J.** (2021). NFL win probability calculator. Shiny app. Available at [https://ruscio.shinyapps.io/winprob\\_app/](https://ruscio.shinyapps.io/winprob_app/)

**Ruscio, J.** (2017). Quantitative methods programs. Ewing, NJ: The College of New Jersey, Psychology Department. [Program 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>.

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**Ruscio, J., & Wang, S. B.** (2023). RTaxometrics: Taxometric analysis. R package version 3.2.1. Available at <https://CRAN.R-project.org/package=RTaxometrics>.

**Ruscio, J.** (2022). 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/>]

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### *BOOKS FOR CLASSROOM USE*

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**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.** (2023). *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/>.]

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**INVITED TALKS, COLLOQUIA, AND WORKSHOPS**

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**Ruscio, J.** (2023, October). *What best protects the innocent: Lie detection or a test for guilty knowledge?* Colloquium to be presented at The College of New Jersey, Ewing, NJ.

**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.

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#### **CONFERENCE PRESENTATIONS\***

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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.**, & Kacetow, 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.