

Patrick J Cushen

CONTACT INFORMATION

Murray State University
Department of Psychology
205 Wells Hall, Murray, KY 42071

E-mail: pcushen@murraystate.edu
Phone: (270) 809-2859

AREAS OF SPECIALIZATION

Problem Solving
Creativity & Insight
Analogical Transfer
Bilingualism

Executive Control
Working Memory Capacity
Learning
Expert Knowledge

PROFESSIONAL EXPERIENCE

Assistant Professor: Department of Psychology

08/2014 – Current Murray State University Murray, KY

Research Associate: Center for Advanced Study of Language

01/2012 – 08/2014 University of Maryland College Park, MD

- Supervisor: Michael Bunting, PhD.

Adjunct Professor: Division of Applied Behavioral Sciences

01/2014 – 05/2014 University of Baltimore Baltimore, MD

- Supervisor: Elaine Johnson, PhD.

Graduate Research Assistant: Department of Psychology

09/2005 – 12/2011 University of Illinois at Chicago Chicago, IL

- Supervisor: Jennifer Wiley, PhD.

Graduate IRB Assistant: Department of Psychology

09/2009 – 09/2011 University of Illinois at Chicago Chicago, IL

- Supervisor: Gary Raney, PhD.

Undergraduate Research Assistant: Department of Psychology

06/2004 – 05/2005 Saint Louis University Saint Louis, MO

- Supervisor: James Churchill, PhD.
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EDUCATIONAL EXPERIENCE

PhD, 2012 University of Illinois at Chicago Chicago, IL

- Dissertation: *Analogical problem solving: A common explanation, but a rare observation*
- Major: Cognitive Psychology
- Minor: Cognitive Neuroscience
- Committee: Jennifer Wiley (Chair), James Pellegrino, Benjamin Storm, Michael Ragozzino, Thomas Ormerod (Lancaster University)

MA, 2009 University of Illinois at Chicago Chicago, IL

- Thesis: *Combining load and individual differences to explore the role of working memory in problem solving*
- Committee: Jennifer Wiley (Chair), James Pellegrino, Martha Alibali (University of Wisconsin, Madison)

Honors BA, 2005 Saint Louis University Saint Louis, MO

- Major: Psychology
- Minors: Biology & Philosophy

ACADEMIC AWARDS AND HONORS

University of Illinois at Chicago Chicago, IL

- *Michael J Piorkowski Award for Excellence in Cognitive Psychology or Biopsychology, 2011*
- *Graduate Student Council Travel Award, 2011*
- *Psychology Department Travel Award, 2011*
- *Liberal Arts and Sciences PhD Student Travel Award, 2011*
- *Psychology Department Travel Award, 2010*
- *Graduate College Student Presenter Award, 2008*
- *Psychology Department Travel Award, 2008*
- *Graduate College Student Travel Award, 2007*
- *Psychology Department Travel Award, 2007*

Saint Louis University Saint Louis, MO

- *Graduated Magna Cum Laude, 2005*
 - *Undergraduate Research Symposium, Excellence in Research Poster, 2004*
 - *Psi Chi, National Honor Society for Psychology, Inducted 2003*
 - *Xavier Leadership Scholarship, 2001-2005*
 - *Honors Student Association, 2001-2005*
 - *Dean's List*
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RESEARCH GRANTS

University of Illinois at Chicago

Chicago, IL

- Psi Chi Graduate Research Grant, 2011
 - Project Title: *Bilingualism and Analogical Problem Solving*

PUBLICATIONS

- Cushen, P. J.,** Rife, S. C., & Wann, D. L. (2019). The emergence of a new type of sport fan: Comparing the fandom, motivational profiles, and identification of electronic and traditional sport fans. *Journal of Sport Behavior*, *42*, 127-141.
- Cushen, P. J.,** Hackathorn, J., Vazquez Brown, M. D., Rife, S. C., Joyce, A. W., Smith, E. D., Bordieri, M. J., Anderson, P. W., Karlsson, M., & *Daniels, J. (2019). What's on the test?" The impact of giving students a concept-list study guide. *Teaching of Psychology*, *46*, 109-114.
- Cushen, P. J.,** & Wiley, J. (2018). Both attentional control and the ability to make remote associations aid spontaneous analogical transfer. *Memory & Cognition*, *46*, 1398-1412.
- Wiley, J., Griffin, T. D., Jaeger, A. J., Jarosz, A. F., **Cushen, P. J.,** & Thiede, K. W. (2016). Improving metacomprehension accuracy in an undergraduate course context. *Journal of Experimental Psychology: Applied*, *22*, 393-405.
- Cushen, P. J.,** & Wiley, J. (2012). Cues to solution, restructuring patterns, and reports of insight in creative problem solving. *Consciousness and Cognition*, *21*, 1166-1175.
- Aiello, D. A., Jarosz, A. F., **Cushen, P. J.,** & Wiley, J. (2012). Firing the executive: When an analytic approach to problem solving helps and hurts. *The Journal of Problem Solving*, *4*(2), Article 6.
- Cushen, P. J.,** & Wiley, J. (2011). Aha! Voila! Eureka! Bilingualism and insightful problem solving. *Learning and Individual Differences*, *21*, 458-462.
- Wiley, J., Jarosz, A. F., **Cushen, P. J.,** & Colflesh, G. J. H. (2011). Teaching an old bird new tricks: New rule use drives the relation between working memory capacity and Raven's Advanced Progressive Matrices. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *37*, 256-263.
- Ash, I. K., **Cushen, P. J.,** & Wiley, J. (2009). Obstacles in investigating the role of restructuring in "insightful" problem solving. *Journal of Problem Solving*, *2*(2), Article 3.
- Cushen, P. J.,** & Wiley, J. (2008). Upsides and downsides of gesturing in problem solving. *Proceedings of the 30th Annual Conference of the Cognitive Science Society*.
- Cushen, P. J.,** & Wiley, J. (2007). Evidence for incremental restructuring in a spatial insight problem. *Proceedings of the 29th Annual Conference of the Cognitive Science Society*.

TECHNICAL REPORTS

- Romberg, A., Haarmann, H., Kuchinsky, S., **Cushen, P.**, Pandza, N. B., Karuzis, V. P., Davey, N., Brown, N. T., & Li, L. (2015) *Mindfulness training: Effects on attention control and complex sense-making skills*. (Technical Report, DO 0052). College Park, MD: University of Maryland Center for Advanced Study of Language.
- Mishler, A. E., & **Cushen, P. J.** (2014). *Individual feedback to study participants*. (Technical Report, DO 0015). College Park, MD: University of Maryland Center for Advanced Study of Language.
- Mishler, A. E., O'Rourke, P. L., Jansen, D. M., **Cushen, P. J.**, Hsu, N. S., Harbison, J. I., Novick, J. M., & Bunting, M. F. (2014). *Working memory training for improving language learning and cognition: Impact and lessons learned from U.S. government populations*. (Technical Report, DO 0015). College Park, MD: University of Maryland Center for Advanced Study of Language.
- Haarmann, H. J., **Cushen, P. J.**, Chambers, C., Freynik, S., Ragusa, E., & O'Rourke, P. (2013). *Divergent thinking and language learning: A pilot study of the effect of creative context generation on word learning*. (Technical Report, TTO 1009). College Park, MD: University of Maryland Center for Advanced Study of Language
- Cushen, P.J.**, Campbell, S. G., Jansen, D. M., Fiske, T. F., Harbison, J. I., & Bunting, M. F. (2013). *Assessing cyber aptitude: Outcomes of item development including construct validity*. (Technical Report, TTO 1010). College Park, MD: University of Maryland Center for Advanced Study of Language.
- Cushen, P. J.**, & Haarmann, H. (2013). *Overcoming cognitive bias in reasoning and decision making: Incorporating research and theory to develop a divergent thinking course module*. (Technical Report, TTO 1009). College Park, MD: University of Maryland Center for Advanced Study of Language.
- Cushen, P. J.**, Campbell, S. G., Jansen, D. M., Fiske, T. F., Foster, J. L., Engle, R. W., & Bunting, M. F. (2013). *Assessing cyber aptitude: Interim results of item development*. (Interim Technical Report, TTO 1010). College Park, MD: University of Maryland Center for Advanced Study of Language.
- Cushen, P. J.**, Mishler, A., Blake, C. C., & Ragusa, E. (2012). *Working memory trials results: Interim report of training performance and transfer*. (Interim Technical Report, TTO 1007). College Park, MD: University of Maryland Center for Advanced Study of Language.
- Bunting, M.F., Harbison, J. I, O'Rourke, P., **Cushen, P. J.**, Mischler, A., Jansen, D. M., Sprenger, A. M. (2012). *Working memory training applied: Interim report on CASL's large-scale training study with government employees* (Interim Technical Report, TTO 3501). College Park, MD: University of Maryland Center for Advanced Study of Language.

MANUSCRIPTS IN PROGRESS

- Cushen, P. J.**, & Wiley, J. Who do hints help? Factors predicting benefitting from hints in analogical transfer. *Manuscript in preparation.*
- Cushen, P. J.**, & Wiley, J. The influence of bilingualism on spontaneous analogical transfer between distant analogues. *Manuscript in preparation.*
- *Smith, M. E., & **Cushen, P. J.** Autistic traits and executive function. *Manuscript in preparation.*
- *Wood, K., & **Cushen, P. J.** The relationship between schizotypy, creativity, and behavioral inhibition. *Manuscript in preparation.*

CONFERENCE PRESENTATIONS

- *Smith, M. E., & Cushen, P. J. (2019, November). *Exploring relationships between autistic traits and executive function in typically-functioning adults.* Poster to be presented at the 60th Psychonomic Society Annual Meeting. Montreal, Québec.
- *Englert, V., **Cushen, P. J.**, & Hackathorn, J. (2019, April). *Smartphones and scatterbrains: Technology use, attention, and working memory capacity.* Poster presented at the 91st Annual Meeting of the Midwestern Psychological Association. Chicago, IL.
- *Noel, K., *Rao, S., *Derossett, T., *Lambert, Q., *Settler, K., *Owens, M., *Sakran, E., *Lowrance, B., **Cushen, P. J.**, & Anderson, P. W. (2018, April). *Who's at fault: Examining rape myths and victim blaming with college athletes.* Poster presented at the 90th Annual Meeting of the Midwestern Psychological Association. Chicago, IL.
- *Smith, M. E., & **Cushen, P. J.** (2018, April). *Autistic traits and executive function.* Poster presented at the 90th Annual Meeting of the Midwestern Psychological Association. Chicago, IL.
- *Watson, K., Hackathorn, J., & **Cushen, P. J.** (2018, April). *Ford tough, not Huggies tough: Modern perceptions of brand personalities.* Poster presented at the 90th Annual Meeting of the Midwestern Psychological Association. Chicago, IL.
- *Dobson, C., & **Cushen, P. J.** (2017, April). *The effect of cognitive dissonance on altruistic behaviors.* Poster presented at the 2017 Kentucky Psychological Association Spring Academic Conference. Louisville, KY.
- *Mitchell, J. T., & **Cushen, P. J.** (2017, April). *A little birdie told me: Social media and the misinformation effect.* Poster presented at the 2017 Kentucky Psychological Association Spring Academic Conference. Louisville, KY.
- *Noel, K., *Rao, S., *Settler, K., *Owens, M., *Sakran, E., *Lowrance, B., *Lambert, Q., *Derossett, T., **Cushen, P. J.**, & Anderson, P. J. (2017, April). *My rookie status matters: Rape myth stereotypes with college athletes.* Poster presented at the 2017 Kentucky Psychological Association Spring Academic Conference. Louisville, KY.

- *Pursley, T., & **Cushen, P. J.** (2017, March). *The matching hypothesis and relationship satisfaction*. Poster presented at the 63rd Annual Southeastern Psychological Association Conference. Atlanta, GA.
- *Crittendon, D., **Cushen, P. J.**, Rife, S., & Hackathorn, J. (2017, January). *Bombs, bullets, and bad guys: Realistic violence in video games*. Poster presented at the 2017 Annual Convention of the Society for Personality and Social Psychology. San Antonio, TX.
- Hackathorn, J., Vazquez Brown, M., Joyce, A. W., **Cushen, P. J.**, Rife, S., Karlsson, M., Anderson, P., & Bordieri, M. (2016, October). *How do I learn what I don't know? Students' preference and use of study guides*. Poster presented at Society for the Teaching of Psychology's Annual Conference on Teaching. Decatur, GA.
- *Settler, K., & **Cushen, P. J.** (2016, May). *Influence of authority on attitude change due to vicarious dissonance*. Poster presented at the Twenty-eighth Annual Convention of the Association for Psychological Science. Chicago, IL.
- *Andrews, V., & **Cushen, P. J.** (2016, April). *Socio-cultural effects on tipping*. Poster presented at the 2016 Kentucky Psychological Association Spring Academic Conference. Georgetown, KY.
- *Ball, R., & **Cushen, P. J.** (2016, April). *The effects of attractiveness on tipping*. Poster presented at the 2016 Kentucky Psychological Association Spring Academic Conference. Georgetown, KY.
- *Moxley, K., & **Cushen, P. J.** (2016, April). *The Barnum Effect and the belief in the paranormal*. Poster presented at the 2016 Kentucky Psychological Association Spring Academic Conference. Georgetown, KY.
- *Crittendon, D., Daniels, J., Sherman, M., Settler, K., Lewis, E., Ross, K., Driskill, L., Carroll, M., **Cushen, P.**, & Vazquez Brown, M. (2016, March). *Gender differences on intolerance and worldly viewpoints*. Poster presented at the 62nd Annual Southeastern Psychological Association Conference. New Orleans, LA.
- *Crittendon, D., Daniels, J., Sherman, M., Carroll, R., Ross, K., Settler, K., Lewis, E., Driskill, L., Vazquez Brown, M., & **Cushen, P.** (2016, March). *Race and attitudes: Differences between peaceful demonstrations and riots*. Poster presented to the Committee on Equality of Professional Opportunity. New Orleans, LA.
- *Settler, K., & **Cushen, P. J.** (2016, February). *Influence of authority on attitude change due to vicarious dissonance*. Poster presented at Posters at the Capitol 2016. Frankfort, KY.
- Smith, E. D., **Cushen, P. J.**, Erbacher, M. K., Bordieri, M., Daniels, J., Hackathorn, J., Watson, A., & Rife, S. C. (2016, January). *The longitudinal impact of student created study guides on academic entitlement*. Paper presented at the Society for Personality and Social Psychology Teaching Preconference. San Diego, CA.

- Cushen, P. J., & Wiley, J.** (2015, November). *Vive la difference! Bilingualism impacts spontaneous transfer from dissimilar sources*. Poster presented at the 56th Annual Meeting of the Psychonomic Society. Chicago, IL.
- Hackathorn, J., Rife, S. C., Watson, A., Smith, E. D., **Cushen, P. J.**, & Bordieri, M. (2015, October). *"Your notes are your study guide": An examination of study guide efficacy*. Poster presented at the Annual Conference on Teaching. Atlanta, GA.
- *Settler, K., & **Cushen, P. J.** (2015, October) *Vicarious dissonance: Social rolls affecting attitude change*. Poster presented at the 2015 Black Doctoral Network Conference. Atlanta, GA.
- Cushen, P. J.**, Jarosz, A. F., Mielicki, M., & Wiley, J. (2015, May). *Bilingualism and the creative side of cognition*. Paper presented at the Tenth International Symposium on Bilingualism. New Brunswick, NJ.
- *Ross, K., Taylor, L., & **Cushen, P. J.** (2015, March). *Facebook and its relationship with personality variables*. Poster presented at the Sixty-first Annual Meeting of the Southeastern Psychological Association. Hilton Head, SC.
- Wiley, J., & **Cushen, P. J.** (2014, August). *When reading skill and creativity converge: predicting solution of Duncker's problems*. Paper presented at the Twenty-fourth Annual Meeting of the Society for Text and Discourse. Chicago, IL
- Cushen, P. J.**, & Wiley, J. (2013, April). *The impact of attention and source representation on spontaneous analogical transfer*. Paper presented at the Annual Meeting of the American Educational Research Association. San Francisco, CA.
- Cushen, P. J.**, & Wiley, J. (2012, November). *Predicting analogical transfer based on source representation and individual differences in attention*. Poster presented at the Fifty-third Annual Meeting of the Psychonomic Society. Minneapolis, MN.
- Cushen, P. J.**, & Wiley, J. (2012, May). *Source representation and analogical transfer*. Poster presented at the Twenty-fourth Annual Convention of the Association for Psychological Science. Chicago, IL.
- Wiley, J., Aiello, D. A., Jarosz, A. F., & **Cushen, P. J.** (2012, May). *Encouraging intuitive processing benefits creative problem solving*. Poster presented at the Twenty-fourth Annual Convention of the Association for Psychological Science. Chicago, IL.
- Cushen, P. J.**, & Wiley, J. (2011, November). *Individual differences and spontaneous transfer during analogical problem solving*. Poster presented at the Fifty-second Annual Meeting of the Psychonomic Society. Seattle, WA.

- *Aiello, D. A., Jarosz, A. F., **Cushen, P. J.**, & Wiley, J. (2011, April). *Firing the executive: When less control is more*. Paper presented at the Annual Meeting of the Midwestern Psychological Association. Chicago, IL.
- Cushen, P. J.**, Jarosz, A. F., Aiello, D., & Wiley, J. (2010, November). *Shifting Focus: The benefits of flexible control and diffuse attention*. Poster presented at the Fifty-first Annual Meeting of the Psychonomic Society. Saint Louis, MO.
- Cushen, P. J.**, & Wiley, J. (2010, August). *The roles of working memory capacity and spatial ability in first-time solution of the Tower of Hanoi*. Poster presented at the Annual Meeting of the Cognitive Science Society. Portland, OR.
- *Flores, J., **Cushen, P. J.**, & Wiley, J. (2010, July). *Bilingualism, Executive Control, and Insight Problem Solving*. Poster presented at the Committee on Institutional Cooperation Annual SROP Research Conference. Columbus, OH.
- Cushen, P. J.**, & Wiley, J. (2010, April). *Stranger in a strange land: Non-native status and insightful problem solving*. Paper presented at the Annual Meeting of the Midwestern Psychological Association. Chicago, IL.
- Cushen, P. J.**, & Wiley, J. (2010, April). *Aha! Voila! Eureka! Bilingualism and creative problem solving*. Paper presented at the Chicago Psychology Graduate Student Symposium. Chicago, IL.
- Wiley, J., Jarosz, A.F., **Cushen, P. J.**, Jensen, M. S., & Griffin, T. D. (2009, November). *The power of three: Why the third person matters*. Paper presented at the Fiftieth Annual Meeting of the Psychonomic Society. Boston, MA.
- Cushen, P. J.**, & Wiley, J. (2008, November). *The relationship between cues to solution, restructuring patterns, and reports of insight*. Poster presented at the Forty-Ninth Annual Meeting of the Psychonomic Society. Chicago, IL.
- Wiley, J., **Cushen, P. J.**, Jarosz, A. F., & Jensen, M. S. (2008, November). *The power of three in collaborative problem solving*. Poster presented at the Purdue Winer Memorial Lectures 'New Perspectives on Human Problem Solving' Workshop/Symposium. West Lafayette, IN.
- Cushen, P. J.**, & Wiley, J. (2008, July). *Upsides and downsides of gesturing in problem solving*. Paper presented at the Thirtieth Annual Conference of the Cognitive Science Society. Washington, DC.
- Cushen, P. J.**, & Wiley, J. (2008, May). *Gesture and problem solving: Not always a 'helping' hand*. Poster presented at the Twentieth Annual Convention of the Association for Psychological Science. Chicago, IL.

Cushen, P. J., & Wiley, J. (2008, May). *The nature of restructuring and the “Aha!” experience in insight problem solving.* Poster presented at the Annual Meeting of the Midwestern Psychological Association. Chicago, IL.

Cushen, P. J., & Wiley, J. (2007, August). *Evidence for incremental restructuring in a spatial insight problem.* Poster presented at the Twenty-Ninth Annual Conference of the Cognitive Science Society. Nashville, TN.

Colflesh, G., Wiley, J., & **Cushen, P. J.** (2007, May). *Why do working memory tasks predict Raven’s performance?* Poster presented at the Annual Meeting of the Midwestern Psychological Association. Chicago, IL.

Cushen, P. J., & Wiley, J. (2006, April). “...And then a miracle happens.” *An on-line look at insight.* Poster presented at the Sigma Xi, Graduate Research Symposium. University of Illinois at Chicago. Chicago, IL.

Barrios, S. L., **Cushen, P. J.**, Salas, J., & Churchill, J. D. (2005, November). *The effects of differential rearing conditions on reference and working memory in young F344/BN rats.* Poster presented at the Thirty-Fifth Annual Meeting of the Society for Neuroscience. Washington, DC.

* Indicates work co-authored by students.

INVITED PRESENTATIONS

Cushen, P. J. (2013, June). *Deliberate and intuitive decision making.* Three-hour course module on decision biases taught for the U.S. Department of Defense.

PROFESSIONAL AWARDS

Society for the Teaching of Psychology 15th Annual Conference on Teaching Decatur, GA

- Best Early Career Poster Award
 - Hackathorn, J., Vazquez Brown, M., Joyce, A. W., **Cushen, P. J.**, Rife, S., Karlsson, M., Anderson, P., & Bordieri, M. (2016, October). *How do I learn what I don’t know? Students’ preference and use of study guides.*

PROFESSIONAL ACTIVITIES

Ad-hoc Reviewer

- American Journal of Psychology
- Consciousness & Cognition
- International Journal of STEM Education
- Journal of Cognitive Education and Psychology
- Journal of Cognitive Psychology
- Journal of Experimental Psychology: Learning, Memory, & Cognition
- The Journal of Problem Solving
- Thinking & Reasoning

TEACHING EXPERIENCE

Instructor: Department of Psychology

08/2014 – Present Murray State University

Murray, KY

- PSY 180, General Psychology
- PSY 301, Principles and Methods of Psychological Research
- PSY 327, Problem Solving and Decision Making
- PSY 403, History and Systems of Psychology
- PSY 621, Biological Bases of Behavior
- PSY 622, Cognitive Bases of Behavior

Instructor: Division of Applied Behavioral Sciences

01/2014 – 05/2014 University of Baltimore

Baltimore, MD

- APPL 603, Learning and Cognition

Instructor: Department of Psychology

01/2010 - 05/2010 Psychology Department, University of Illinois

Chicago, IL

- PSCH 242, Introduction to Research in Psychology

Teaching Assistant

09/2010 – 12/2010 & 01/2007 – 12/2007
Psychology Department, University of Illinois

Chicago, IL

- PSCH 242, Introduction to Research in Psychology
- Instructor: Thomas Griffin, PhD.

Teaching Assistant

01/2006 – 05/2006 Psychology Department, University of Illinois

Chicago, IL

- PSCH 353, Laboratory in Cognition and Memory
- Instructor: Christopher Sanchez, MA