

## VITA

MICHAEL E. YOUNG

October 2018

### PERSONAL DATA

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### EDUCATION

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1995	Ph.D.	University of Minnesota, Minneapolis <i>Major: Psychology (Cognitive)</i>
1991	MS	University of Minnesota, Minneapolis <i>Major: Computer Science (Artificial Intelligence)</i>
1984	BS	University of Illinois, Urbana/Champaign <i>Major: Computer Science</i>

### PROFESSIONAL POSITIONS

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2012 – Present	Department Head and Professor of Psychological Sciences, Kansas State University
2008 - 2012	Professor of Psychology, Brain and Cognitive Sciences program, Southern Illinois University at Carbondale
2004 - 2008	Associate professor of Psychology, Brain and Cognitive Sciences program, Southern Illinois University at Carbondale
2000 - 2004	Assistant professor of Psychology, Brain and Cognitive Sciences program, Southern Illinois University at Carbondale
1995 - 2000	Adjunct assistant professor and postdoctoral associate, University of Iowa Psychology Department. Supervisor: Dr. Edward Wasserman
1984 - 1995	Research Consultant for US Army CERL, Champaign, IL. Part-time
1991 - 1995	Instructor, University of Minnesota Psychology Department. Part-time
1985 - 1988	Systems Analyst, Procter & Gamble, Cincinnati, OH. Full-time

## **KEY ACCOMPLISHMENTS AS HEAD OF PSYCHOLOGICAL SCIENCES**

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It should be recognized that most of these outcomes required the involvement of a number of people. I hope that my entire department – faculty and staff – can take pride in our collective accomplishments.

- Despite a series of budget cuts (five of the last six years), I have remained committed to the pursuit of the department's 2025 Strategic Vision that was developed between 2010 and 2012, immediately before my arrival. The department met all 11 of its 2015 goals and has already met 9 of 11 2020 goals and 5 of 11 2025 goals.
- The department's signature achievement was the pursuit and eventual receipt of a \$10.6M COBRE Center grant in 2017 – NIH's mechanism for developing younger scholars into successful independent R01 grantees. This effort began soon after my arrival when a senior colleague approached me after failing to receive adequate administrative support before my arrival. I supported five core faculty involved in the five-year effort; this support included course releases, securing financial resources for seed projects, and providing feedback on drafts of sections of the application. The grant funded the establishment of the Center for Cognitive and Neurobiological Approaches to Plasticity. I continue to support the Director, Dr. Kimberly Kirkpatrick, and her team as they navigate the complexity of its rollout.
- During my tenure, we have raised \$2.18M in donations to Psychological Sciences (\$1.91M of the total is deferred gifts). I worked with one of my colleagues on the redesign of the department's annual Alumni Council visit to create a highly productive and engaging day. Attendees are highly engaged and participate in formal and informal events with students, freely over new ideas, advice and an outside perspective on departmental activities and challenges.
- As a judgment and decision making researcher, I identified shortcomings in the scientific validity of the departmental evaluation of faculty and graduate students. I completely overhauled the faculty evaluation process with input from my executive committee which has increased the reliability and validity of the annual assessment. This effort was later followed by a two-year process in which I made major revisions to the departmental promotion and tenure document to drive excellence in research and teaching. Finally, the department's Graduate Program Director, Dr. Gary Brase, and I directed a major update to the graduate student evaluation forms to provide structured and comprehensive feedback rather than the informal and holistic assessments that were in existence.
- In 2013, I led the rebranding of the department from Psychology to Psychological Sciences. This change was driven by the unusual nature of our department given that we do not have graduate programs in clinical or counseling psychology. I found it necessary to more effectively communicate the nature of our department to university colleagues and prospective students and majors.
- In 2016, I initiated the development of a new departmental Diversity Student Learning Outcome assessment. It had become clear that the department had only informal evidence regarding our students' multicultural sensitivities. I invited one of my faculty to lead this effort and to begin discussions of how diverse perspectives can be appropriately integrated into current courses. Although my commitment to diversity and inclusion is typically much more personal through my support and advocacy of specific individuals in my unit and elsewhere, as a department leader it is also important to assess the current environment and to initiate efforts to improve the culture of a department.

- I successfully nominated alumni for the following awards: a 2013 College Young Alumni Award, a 2016 College Merit Award, and five University Alumni Fellows (two in 2015, one in 2016, and two in 2018 – the most of any department during my tenure).
- In 2013, I worked with the president of our department's graduate student association to create three new departmental graduate student awards in teaching, teaching assistance, and research. These department-level awards were also used to identify students to nominate for college, university, regional, and national awards. This effort has not only recognized student efforts, but has produced four winners of the K-State Graduate Student Council graduate student teaching award (our department has four of the past six university-wide winners), two recipients of the Midwestern Association of Graduate Students graduate student teaching award, an Arts and Sciences Stamey Graduate TA Award winner, three winners of the University Distinguished Professors Student Research Award, a recipient of the APA Division 25 dissertation award, and two recipients of the University Presidential Award for Teaching by a GTA.
- I have also been an active advocate for my faculty and staff. I successfully nominated an Arts and Sciences Stamey Advising Award recipient, a Commerce Bank Teaching Award winner, a University Distinguished Teaching Scholar, a University Distinguished Faculty Award for Mentoring recipient, a University Presidential Award for Teaching by a Faculty Member, a Distinguished Graduate Faculty designee, a winner of the Iman Outstanding Faculty Award for Teaching, and a Ron Gaches Teaching Excellence awardee. No other department on campus can claim such a large number of diverse faculty, staff, and student awards during my time as department head.
- A critical event in the development of our graduate program was my leading the overhaul of our graduate statistics and methodology course sequence. Before my arrival I was already hearing from graduate students that the training offered was inadequate and not serving the needs of the students. Bringing about such a change was challenging because of the strong personalities involved, and my efforts ultimately resulted in my teaching two of our four courses due to a lack of departmental expertise. This is one of my proudest achievements not only because of the improved outcomes but also because I was able to preserve the dignity of my senior colleagues who were directly impacted by this change.

## HONORS AND AWARDS

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- 2018 One of two College of Arts and Sciences nominees for Presidential Award for Outstanding Department Head
- 2005 Elected Fellow of the American Psychological Association, Division 3
- 2000 Dean's Appreciation Award, Southern Illinois University College of Liberal Arts
- 1999 APA Division 3 (Experimental Psychology)  
New Investigator Award - Honorable Mention
- 1997 APA Division 6 (Behavioral Neuroscience and Comparative Psychology)  
Best published paper by a recent investigator - Honorable Mention

## FUNDING HISTORY

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### *External*

- 2013 – 2015 *Funding for Executive Director - Great Plains Network.* Co-PI of grant funded by the Great Plains Network Consortium (G. Monaco, PI). \$682,347.
- 2014 *Factors affecting consumer choice of confectionaries.* PI of grant funded by the Hershey Company. Total award: \$50,000.
- 2010 – 2014 *Waiting for a better future: Deciding when to "cash in" when outcomes are continuously improving.* PI of grant funded by the National Institute for Drug Abuse (E.A. Jacobs, Co-Investigator). Total award: \$218,250.  
NIDA 1R15-DA026290
- 2007 – 2010 *Choosing among causal agents in a dynamic environment.* PI of grant funded by the National Science Foundation. Total award: \$100,897.  
NSF SES-0720588
- 2007 – 2009 *Choosing among causal agents in a stressful environment.* PI of grant funded by the Air Force Office for Scientific Research. Total award: \$142,899.  
AFOSR FA9550-07-1-0429
- 1999 – 2003 *Entropy and same-different conceptualization.* Co-PI of grant funded by the National Science Foundation (E. Wasserman, PI). Total award: \$286,056.

### *Internal*

- 2013 – 2014 *Marketing of the undergraduate research experience in Psychological Sciences.* K-State Academic Excellence Award. Total award: \$2,000.
- 2012 *Conference travel funds for undergraduate researchers.* K-State Academic Excellence Award. Total award: \$4,000.
- 2007 *Simulated data analysis on the web: Enhancing the understanding of distributional and sampling assumptions.* Southern Illinois University at Carbondale, Excellence Through Commitment Undergraduate Teaching Enhancement Award. Total award: \$13,760.
- 2002 – 2003 *Eye movement and the perception of causality.* PI of grant funded by the Office of Research Development and Administration, Southern Illinois University at Carbondale. Total award: \$15,832.

**PROFESSIONAL SERVICE**

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*Service to Kansas State University*

- 2012 – Present Head, Department of Psychological Sciences
- 2018 – Present Member, College of Arts & Sciences Service Center Allocation Review Committee (for new modified-RCM university budget model)
- 2016 – 2018 Member, Summer School Advisory Board
- 2014 – 2018 Member, University Distinguished Professors Graduate Student Award Selection Committee
- 2016 – 2017 Member, Search Committee, national search for Vice President for Human Capital Services
- 2013 – 2017 Summer Undergraduate Research Opportunity Program (SUROP) workshop presentation, *A Presentation on Presenting*
- 2015 – 2016 Member, Provost's Summer School Task Force
- 2014 – 2015 Chair, Search Committee, national search for Head of Department of Art
- 2014 Member, Search Committee, internal search for Associate Dean for Academic Affairs and Research, Graduate School
- 2014 Member, Performance Review Committee, Associate Dean of Research, College of Arts and Sciences
- 2014 Faculty advisor for Summer Undergraduate Research Opportunity Program (SUROP) student, Cynthia Morales
- 2013 Member, Search Committee, Academic Advisor for Psychological Sciences

*Service to Southern Illinois University at Carbondale*

- 2011 – 2012 Member of Clinical Psychology search committee, Department of Psychology
- 2011 – 2012 Member, Promotion (to Full Professor) Review Committee for the Department of Political Sciences
- 2008 – 2012 Member, Campus-Wide Assessment Committee
- 2005 – 2012 Member of the Core Council, Center for Integrated Research in Cognitive and Neural Sciences
- Member of Center Director Search Committee, 2007 – 2008.
- 2010 – 2011 Member of College of Liberal Arts Promotion and Tenure Committee
- 2005 – 2011 Member of Faculty Seed Grant Review Panel, Social Sciences, Office for Research Development and Administration
- 2005; 2006; 2011
- 2010 Member of College of Liberal Arts Writing Requirement Assessment Group
- 2007 – 2009 Member of Graduate Council
- Member of Graduate Council Program Review Committee, 2007 – 2009.
- Member of Ad Hoc Committee on Interim Appointments, 2008 – 2009.
- Member of Academic Calendar Committee, 2007 – 2008.
- 2001 – 2007 Program Director of Brain and Cognitive Sciences, Department of Psychology
- 2006 – 2007 Member, Classroom Initiative Committee
- 2006 – 2007 Member, Masters Fellowship Review Panel
- 2001 – 2004 Chair of Brain and Cognitive Sciences search committees (3) Department of Psychology

*Service to Discipline*

- 2018 – Present Member, Board of Directors, Council of Graduate Departments of Psychology  
Web Master (2018 – Present)
- 2005 – Present Member of Journal Editorial Board  
*Journal of the Experimental Analysis of Behavior* (2015 – Present)  
Editor-in-Chief for Special Issue on Statistics in Behavior Analysis, 2019  
*Frontiers in Comparative Psychology* (2010 – Present)  
*Learning and Behavior* (2005 – 2017)
- 2017 External Reviewer, Texas Tech Univ. Department of Psychological Sciences
- 2005 – 2016 External Reviewer for Promotion and/or Tenure  
University of Oklahoma (2017)  
Georgia Southern University (2012; 2013; 2017)  
Auburn University (2016)  
University of North Texas (2014)  
Stony Brook University (2013)  
University of Toledo (2005; 2011)  
University of Texas at El Paso (2007)
- 1999 – 2015 Conference Session Chair  
Annual meeting of the Comparative Cognition Society (2015)  
Annual meeting of the Psychonomic Society (2012), Judgment and Dec Making  
Annual meeting of the APA (2009), Division 3 Fellows Session  
Annual meeting of the Psychonomic Society (2007), Event Cognition  
Annual meeting of the Psychonomic Society (2003), Category Learning  
Annual meeting of the Psychonomic Society (1999), Categorization I
- 2012 Ad hoc Member, National Institutes for Health (NIH), Biobehavioral  
Regulation, Learning and Ethology (BRLE) Study Section Review Panel
- 2010 External Reviewer, Auburn University Department of Psychology
- 2009 – 2010 APA Accreditation Visitation Teams, Generalist Member  
University of Cincinnati, Clinical Psychology (2010)  
University of Toledo, Clinical Psychology (2010)  
University of North Carolina at Chapel Hill, School Psychology (2009)
- 2001 – 2010 Member of student poster award committee, Society for Judgment and Decision  
Making (2001; 2002; 2010)
- 2007 – 2009 Fellows Committee, APA Division 3 (Experimental Psychology)  
Assistant Chair for 2007-2008, Chair for 2008-2009.

1995 – Present Ad hoc Reviewer for:

*Acta Psychologica*  
*American Journal of Psychology*  
*Animal Behavior and Cognition*  
*Animal Cognition*  
*Applied Cognitive Psychology*  
*Archives of Scientific Psychology*  
*Attention, Perception and Psychophysics*  
*Behavior Research Methods*  
*Behavioural Processes*  
*Biological Psychology*  
*Child Neuropsychology*  
*Cognition*  
*Comparative Cognition and Behavior*  
*Reviews*  
*Computers in Human Behavior*  
*Consciousness and Cognition*  
*Developmental Psychology*  
*Experimental and Clinical*  
*Psychopharmacology*  
*Experimental Psychology*  
*Frontiers in Comparative Psychology*  
*Frontiers in Perception Science*  
*Games: Open Access Game Theory*  
*Journal*  
*Genetic, Social, and General Psychology*  
*Monographs*  
*IEEE Transactions on Autonomous*  
*Mental Development*  
*IEEE Transactions on Neural Systems and*  
*Rehabilitation Engineering*  
*International Journal of Comparative*  
*Psychology*

*Journal of Behavioral Decision Making*  
*Journal of Comparative Psychology*  
*Journal of Experimental Education*  
*Journal of Experimental Psychology:*  
*Animal Learning and Cognition*  
*Journal of Experimental Psychology:*  
*General*  
*Journal of Experimental Psychology:*  
*Learning, Memory and Cognition*  
*Journal of the Experimental Analysis of*  
*Behavior*  
*Learning and Behavior*  
*Learning and Motivation*  
*Memory and Cognition*  
*Perception and Psychophysics*  
*Perceptual and Motor Skills*  
*Perspectives on Behavior Science*  
*Perspectives on Psychological Science*  
*PLOS Computational Biology*  
*PLOS ONE*  
*Psychonomic Bulletin and Review*  
*Psychological Bulletin*  
*Psychological Record*  
*Psychological Review*  
*Psychological Science*  
*Quarterly Journal of Experimental*  
*Psychology*  
*Scandinavian Journal of Psychology*  
*Social Cognition*  
*Visual Cognition*

Grant Proposal Reviewer for:

*National Institutes of Health (BRLE study section, ad hoc member, 2012), University of Texas*  
*BRAIN Initiative, National Science Foundation (ad hoc for multiple grants), Austrian Science*  
*Fund, Wellcome Trust (UK), Marsden Fund of the Royal Society of New Zealand, National*  
*Science Centre of Poland*

Textbook Reviewer for:

*Allyn and Bacon, Wiley Publishing, Wadsworth Publishing, Sage Publications*

**OTHER PROFESSIONAL ACTIVITY**

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Grant Statistical Consultant, Dr. David Gilbert of Southern Illinois University at Carbondale  
(2010 – Present)

**PROFESSIONAL AFFILIATIONS**

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Fellow, American Psychological Association (Division 3)  
Fellow, Psychonomic Society  
Member, Kansas State University Academy of Fellows  
Member, Association for Psychological Science  
Member, Council of Graduate Departments of Psychology  
Member, Society for Judgment and Decision Making  
Behavioral and Brain Sciences Associate

**TEACHING INTERESTS**

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Cognitive Psychology  
Judgment and Decision Making  
Research Methods  
Statistical Methods

**TEACHING EXPERIENCE**

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2012 – Present    Kansas State University Psychological Sciences Department.  
DAS 199: *Predicting the Future: Mind vs. Math*. CAT Community course  
Psychology 200: *Junior Seminar*  
Psychology 425/825: *Judgment and Decision Making*  
Psychology 805: *Psychological Research Design and Analysis II*  
Psychology 958: *Mathematical Models of Behavior*

2000 – 2012    Southern Illinois University Psychology Department  
Psychology 211: *Research Methods and Statistics in Psychology*  
Psychology 466: *Intermediate Statistics*  
Psychology 471/528: *Judgment and Decision Making*  
Psychology 489: *Seminar on Dog Behavior*  
Psychology 489: *Seminar on Predicting the Future - Mind or Mathematics?*  
Psychology 575: *Computational Modeling*  
Psychology 590: *Graduate Seminar – Advanced Cognitive Psychology*

1995 – 2000    University of Iowa Psychology Department.  
Psychology 31:016: *Introduction to Cognitive Psychology – Co-taught*  
Psychology 31:043: *Evaluating Psychological Research (a research methods course)*  
Psychology 31:119: *Memory and Cognition*



1991 – 1995 University of Minnesota Psychology Department.  
Psychology 1005: *Introductory Laboratory Psychology: Animal Learning and Human Memory*.  
Psychology 3011: *Introduction to Animal Learning*  
Psychology 3051: *Introduction to Cognitive Psychology*  
Psychology 5015: *Advanced Cognitive Psychology*

*Graduate Degrees Completed under my Supervision*

Kansas State

Lisa Vangsness, M.S. (2017),

Ph.D. (2019 – *Expected*)

Angela Crumer, Ph.D. (2019 – *Expected*)

Anthony McCoy, M.S. (2015)

Washburn U., Instructor, Dept. of Math

Ford Motor Company, Data Analytics Sci.

SIUC

James Cole, M.A. (2011),

Ph.D. (2018; Co-chair)

Tara Webb, M.A. (2013; Co-chair)

Joseph Geeseman, Ph.D. (2012; Co-chair)

Steven Sutherland, M.A. (2009), Ph.D. (2012)

Deborah Racey, M.A. (2007), Ph.D. (2009)

Nam Nguyen, M.A. (2009)

Joshua Carlson, Ph.D. (2008; Co-chair)

Steven Neese, Ph.D. (2007; Co-chair)

Roberto Limongi, Ph.D. (2007)

Joshua Beckmann, M.A. (2005), Ph.D. (2007)

Olga Falmier, M.A. (2004), Ph.D. (2007)

Michelle Ellefson, Ph.D. (2002; Co-chair)

Instructor, Southern Illinois University

Kalamazoo College, Institutional Research

Naval Air Systems Command, Lieutenant

U. of Houston at Clear Lake, Asst. Professor

Country Financial, Insurance Servicing

Design Interactive, Research Associate

Northern Michigan U., Asst. Professor

Cornell College, Asst. Professor

Universidad Tecnologica de Chile, Research

University of Kentucky, Asst. Professor

NeuroRestorative, Medical Assistant

University of Cambridge (UK), Reader

**RESEARCH INTERESTS**

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Impulsive decisions

Acquisition and perception of causal and temporal relationships in the environment

Comparative approaches to the study of variability discrimination

Computational models

**PUBLICATIONS**

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AN "\*" DESIGNATES A GRADUATE STUDENT CO-AUTHOR, "\*\*\*" AN UNDERGRADUATE STUDENT,  
AND "#" INDICATES POSTDOCTORAL ASSOCIATE (AT THE TIME OF SUBMISSION).

JOURNAL ARTICLES

1. \*Vangsness, L., & Young, M.E. (in press). Central and peripheral cues to difficulty in a dynamic task. *Human Factors*.

2. Young, M.E., & \*McCoy, A.M. (in press). Variations on the balloon analogue risk task: A censored regression analysis. *Behavior Research Methods*.
3. Jackson, A.T., Culbertson, S.S., Kausel, E.E., Young, M.E., & \*Loftis, M.E. (2018). The impact of escalation decisions on investments, anger, and confidence over time. *Frontiers in Psychology*.
4. Young, M.E., \*Vangsness, L., & \*McCoy, A.M. (2018). The temporal dynamics of waiting when reward is increasing. *Behavioural Processes*, 18, 193-202.
5. Young, M.E. (2018). A place for statistics in behavior analysis. *Behavior Analysis: Research and Practice*, 18, 193-202. dx.doi.org/10.1037/bar0000099
6. Young, M.E., Sutherland, S.C., & \*McCoy, A.W. (2018). Optimal go/no-go ratios to maximize false alarms. *Behavior Research Methods*, 50, 1020-1029. doi.org/10.3758/s13428-017-0923-5
7. Young, M.E. (2018). Discounting: A practical guide to multilevel analysis of choice data. *Journal of the Experimental Analysis of Behavior*, 109, 293-312. doi:10.1002/jeab.316.
8. \*Vangsness, L., & Young, M.E. (2017). The role of difficulty in dynamic risk mitigation decisions. *Journal of Dynamic Decision Making*, 3, 5. doi:10.11588/jddm.2017.1.41543
9. #Smith, T.R., Young, M.E., & Beran, M. J. (2017). Gambling in rhesus macaques (*Macaca mulatta*): The effects of cues signaling risky choice outcomes. *Learning and Behavior*, 45, 288-299.
10. Young, M.E. (2017). Discounting: A practical guide to multilevel analysis of indifference data. *Journal of the Experimental Analysis of Behavior*, 108, 97-112.
11. Young, M.E., \*McCoy, A.M., \*Hutson, J.P., \*Schlabach, M., & Eckels, S. (2017). Hot under the collar: The impact of heat on game play. *Applied Ergonomics*, 59, 209-214.
12. Limongi, R., Habib, R., Young, M.E., & Reinke, K. (2016). Broca's area activity in the lexical semantics of visual causal events: A functional connectivity study. *Revista de Linguística Teórica y Aplicada (Journal of Theoretical & Applied Linguistics)*, 54, 43-62.
13. #Sutherland, S.C., Hartevel, C., & Young, M.E. (2016). Effects of the advisor and environment on requesting and complying with automated advice. *Association for Computing Machinery: Transactions on Interactive Intelligent Systems*, 6 (4), Article 27.
14. Young, M.E. (2016). The problem with categorical thinking by psychologists. *Behavioural Processes*, 123, 43-53.
15. Young, M.E., & \*McCoy, A.M. (2016). Millennials and chocolate product ethics: Saying one thing and doing another. *Food Quality and Preference*, 49, 42-53.

16. \*Webb, T.L., & Young, M.E. (2015). Waiting when both certainty and magnitude are increasing: Certainty overshadows magnitude. *Journal of Behavioral Decision Making*, 28, 294-307. doi: 10.1002/bdm.1850.
17. Peissig, J.J., Nagasaka, Y., Young, M.E., Wasserman, E.A., & Beiderman, I. (2015). Using the reassignment procedure to test object representation in pigeons and people. *Learning and Behavior*, 43, 188-207. *SELECTED AS BEST PAPER PUBLISHED IN L&B IN 2015.*
18. #Sutherland, S.C., Hartevelde, C., & Young, M.E. (2015). The role of environmental predictability and costs in relying on automation. *Proceedings of the 33<sup>rd</sup> Annual SIGCHI Conference on Human Factors in Computing Systems* (pp. 2535-2544). Association for Computing Machinery: New York.
19. \*Rung, J.M., & Young, M.E. (2015). Learning to wait for more likely or just more: Greater tolerance to delays of reward with increasingly longer delays. *Journal of the Experimental Analysis of Behavior*, 103, 108-124.
20. Young, M.E., & \*McCoy, A.M. (2015). A delay discounting task produces longer waiting than an equivalent deferred gratification task. *Journal of the Experimental Analysis of Behavior*, 103, 180-195.
21. Young, M.E. (2014). Sex differences in the inference and perception of causal relations within a video game. *Frontiers in Psychology*, 5, 926. doi: 10.3389/fpsyg.2014.00926.
22. Young, M.E., \*Webb, T.L., \*\*Rung, J.M. & \*McCoy, A.M. (2014). Outcome probability versus magnitude: When waiting benefits one at the cost of the other. *PLOS ONE*, 9(6), e98996. doi:10.1371/journal.pone.0098996.
23. \*\*Rung, J.M., & Young, M.E. (2014). Training tolerance to delay using the escalating interest task. *Psychological Record*, 64, 423-431. doi:10.1007/s40732-014-0045-8.
24. Young, M.E., & Racey, D.E. (2014). Effects of response frequency constraints on learning in a non-stationary multi-armed bandit task. Special Issue of the *International Journal of Comparative Psychology*, 27, 106-122.
25. Lazareva, O., Young, M.E., & Wasserman, E.A. (2014). A three-component model of relational responding in a transposition task. *Journal of Experimental Psychology: Animal Learning and Cognition*, 40, 63-80.
26. Young, M.E., \*Webb, T.L., \*\*Rung, J., & Jacobs, E.A. (2013). Sensitivity to changing contingencies in an impulsivity task. *Journal of the Experimental Analysis of Behavior*, 99, 335-345.
27. #Limongi, R., \*Sutherland, S.C., \*Zhu, J., Young, M.E., & Habib, R. (2013). Temporal prediction errors modulate cingulate-insular coupling. *NeuroImage*, 71, 147-157.

28. Young, M.E., \*Webb, T.L., \*Sutherland, S.C., & Jacobs, E.A. (2013). Magnitude effects for experienced rewards at short delays in the escalating interest task. *Psychonomic Bulletin and Review*, 20, 302-309.
29. Castro, L., Wasserman, E.A, & Young, M.E. (2012). Variations on variability: Effects of display composition on same-different discrimination in pigeons. *Learning and Behavior*, 40, 416-426.
30. Young, M.E., \*Cole, J. J., & \*Sutherland, S.C. (2012). Rich stimulus sampling for between-subjects designs improves model selection. *Behavior Research Methods*, 44, 176-188.
31. Young, M.E., & \*Cole, J.J. (2012). Human sensitivity to the magnitude and probability of a continuous causal relation in a video game. *Journal of Experimental Psychology: Animal Behavior Processes*, 38, 11-22.
32. Young, M.E., \*Webb, T.L., & Jacobs, E.A. (2011). Deciding when to “cash in” when outcomes are continuously improving. *Behavioural Processes*, 88, 101-110.
33. #Limongi Tirado, R., & Young, M.E. (2011). Language-driven spatiotemporal causal integration in the prefrontal and premotor cortices. *Revista de Linguística Teórica y Aplicada (Journal of Theoretical and Applied Linguistics)*, 49, 13-27.
34. \*Racey, D.E., Young, M.E., #Garlick, D., \*\*Pham, J.N., & Blaisdell, A. (2011). Pigeon and human performance in a multi-armed bandit task in response to changes in variable interval schedules. *Learning and Behavior*, 39, 245-258.
35. Young, M.E., \*Sutherland, S.C., \*Cole, J.J., & \*Nguyen, N. (2011). Waiting to decide helps in the face of probabilistic uncertainty but not delay uncertainty. *Learning and Behavior*, 39, 115-124.
36. Young, M.E., \*Sutherland, S.C., & \*Cole, J.J. (2011). Individual differences in causal judgment under time pressure: Sex and prior video game experience as predictors. *International Journal of Comparative Psychology*, 24, 76-98.
37. \*Nguyen, N., Young, M.E., & \*Cole, J.J. (2010). The effect of number of options on choices involving delayed causation. *American Journal of Psychology*, 123, 477-487.
38. \*Stahlman, W.D., Young, M.E., & Blaisdell, A.P. (2010). Response variability in pigeons in a Pavlovian task. *Learning and Behavior*, 38, 111-118.
39. Wasserman, E.A., & Young, M.E. (2010). Same-different discrimination: The keel and backbone of thought and reasoning. *Journal of Experimental Psychology: Animal Behavior Processes*, 36, 3-22.
40. \*Beckmann, J.S., & Young, M.E. (2009). The effects of stimulus dynamics on temporal discrimination. *Journal of Experimental Psychology: Animal Behavior Processes*, 35, 525-553.

41. Young, M.E., & \*Sutherland, S. (2009). The spatiotemporal distinctiveness of direct causation. *Psychonomic Bulletin and Review*, *16*, 729-735.
42. Young, M.E., & \*Nguyen, N. (2009). The problem of delayed causation in a video game: Constant, varied, and filled delays. *Learning and Motivation*, *40*, 298-312.
43. Young, M.E., Clark, M.H, \*Goffus, A., Hoane, M.R. (2009). Mixed effects modeling of Morris water maze data: Advantages and cautionary notes. *Learning and Motivation*, *40*, 160-177.
44. Young, M.E., & \*Racey, D. (2009). Judgments of creativity as a function of visual stimulus variability. *Empirical Studies of the Arts*, *27*, 91-109.
45. Young, M.E. (2008). Nonlinear judgment analysis: Comparing policy use by those who draft and those who coach. *Psychology of Sport and Exercise*, *9*, 760-774.
46. #Lazareva, O.F., \*Miner, M., Wasserman, E.A., and Young, M.E. (2008). Multiple-pair training enhances transposition in pigeons. *Learning and Behavior*, *36*, 174-187.
47. \*Falmier, O., & Young, M.E. (2008). The impact of perceived animacy on causal judgments. *American Journal of Psychology*, *121*, 473-500.
48. Young, M.E., & \*Falmier, O. (2008). Launching at a distance: The effect of spatial markers. *Quarterly Journal of Experimental Psychology*, *61*, 1356-1370.
49. Young, M.E., & \*Falmier, O. (2008). Color change as a causal agent: Revisited. *American Journal of Psychology*, *121*, 129-157.
50. \*Beckmann, J.S., & Young, M.E. (2007). The feature positive effect in the face of variability: Novelty as a feature. *Journal of Experimental Psychology: Animal Behavior Processes*, *33*, 72-77.
51. Young, M.E., Wasserman, E.A., & Ellefson, M.R. (2007). A theory of variability discrimination: Finding differences. *Psychonomic Bulletin and Review*, *14*, 805-822.
52. #Castro, L., Young, M.E. & Wasserman, E.A. (2006). Effects of number of items and visual display variability on same-different discrimination behavior. *Memory and Cognition*, *34*, 1689-1703.
53. #Peissig, J.J., Kirkpatrick, K., Young, M.E., Wasserman, E.A., & Biederman, I. (2006). Effects of varying stimulus size on object recognition in pigeons. *Journal of Experimental Psychology: Animal Behavior Processes*, *32*, 419-430.
54. Young, M.E., \*Beckmann, J.S., & Wasserman, E.A. (2006). The pigeon's perception of Michotte's launching effect. *Journal of the Experimental Analysis of Behavior*, *86*, 223-237.

55. #Lazareva, O., Wasserman, E.A., & Young, M.E. (2005). Transposition in pigeons: Reassessing Spence (1937) with multiple discrimination training. *Learning and Behavior*, 33, 22-46.
56. Peissig, J.J., Young, M.E., Wasserman, E.A. & Biederman, I. (2005). The role of edges in object recognition by pigeons. *Perception*, 34, 1353-1374.
57. Young, M.E., \*Rogers, E.T., & \*Beckmann, J.S. (2005). Causal impressions: Predicting *when*, not just *whether*. *Memory and Cognition*, 33, 320-331.
58. Wasserman, E.A., Young, M.E., & Cook, R. (2004). Variability discrimination in humans and animals: Implications for adaptive action. *American Psychologist*, 59, 869-878.
59. Young, M.E., \*Ellefson, M.R., & Wasserman, E.A. (2003). Toward a theory of variability discrimination: Finding differences. Invited paper for a special issue of *Behavioural Processes*, 62, 145-155.
60. Young, M.E., & \*Ellefson, M.R. (2003). The joint contributions of shape and color to variability discrimination. *Learning and Motivation*, 34, 52-67.
61. \*DiPietro, N.T., Wasserman, E.A., & Young, M.E. (2002). The effects of occlusion on pigeons' visual object recognition. *Perception*, 31, 1299-1312.
62. \*Peissig, J.J., Wasserman, E.A., Young, M.E., & Biederman, I. (2002). Learning to recognize an object from multiple views in one dimension enhances visual recognition at novel views in an orthogonal dimension. *Vision Research*, 42, 2051-2062.
63. Wasserman, E.A., \*Frank, A. J., & Young, M.E. (2002). Stimulus control by same versus different relations among multiple visual stimuli. *Journal of Experimental Psychology: Animal Behavior Processes*, 28, 347-357.
64. Wasserman, E.A., Young, M.E., & \*Peissig, J.J. (2002). Brief presentations are sufficient for pigeons to discriminate arrays of same and different stimuli. *Journal of the Experimental Analysis of Behavior*, 78, 365-373.
65. Windschitl, P. D., Young, M. E., & \*Jenson, M. (2002). Likelihood judgment based on previously observed outcomes: The alternative outcomes effect in a learning paradigm. *Memory and Cognition*, 30, 469-477.
66. Young, M.E., & Wasserman, E.A. (2002). The pigeon's discrimination of visual entropy: A logarithmic function. *Animal Learning and Behavior*, 30, 306-314.
67. Young, M.E., & Wasserman, E.A. (2002). Limited attention and cue order consistency affect predictive learning: A test of similarity measures. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 28, 484-496.
68. Young, M.E., & Wasserman, E.A. (2002). Detecting variety: What's so special about uniformity? *Journal of Experimental Psychology: General*, 131, 131-143.

69. Fagot, J., Wasserman, E.A., & Young, M.E. (2001). Discriminating the relation between relations: The role of entropy in abstract conceptualization by baboons and humans. *Journal of Experimental Psychology: Animal Behavior Processes*, 27, 316-328.
70. \*Gottselig, J.M., Wasserman, E.A., & Young, M.E. (2001). Attentional tradeoffs in pigeons learning to discriminate newly-relevant visual stimulus dimensions. *Learning and Motivation*, 32, 240-253.
71. Wasserman, E.A., Fagot, J., & Young, M.E. (2001). Same-different conceptualization by baboons (*Papio papio*): The role of entropy. *Journal of Comparative Psychology*, 115, 42-52.
72. Wasserman, E.A., Young, M.E., & Fagot, J. (2001). Effects of number of items on the baboon's discrimination of same from different visual displays. *Animal Cognition*, 4, 163-170.
73. Windschitl, P.D., & Young, M.E. (2001). The influence of alternative outcomes on gut-level perceptions of certainty. *Organizational Behavior and Human Decision Processes*, 85, 109-134.
74. Young, M. E., \*Peissig, J. M., Wasserman, E. A., & Biederman, I. (2001). Discrimination of geons by pigeons: The effects of variations in surface depiction. *Animal Learning and Behavior*, 29, 97-106.
75. Young, M.E., & Wasserman, E.A. (2001). Evidence for a conceptual account of same-different discrimination learning in the pigeon. *Psychonomic Bulletin and Review*, 8, 677-684.
76. Young, M.E. & Wasserman, E.A. (2001). Entropy and variability discrimination. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 27, 278-293.
77. Young, M.E., \*Johnson, J.L., & Wasserman, E.A. (2000). Serial causation: Occasion setting in a causal induction task. *Memory and Cognition*, 28, 1213-1230.
78. \*Peissig, J.J., Young, M.E., Wasserman, E.A., & Biederman, I. (2000). Seeing things from a different angle: The pigeon's recognition of single geons rotated in depth. *Journal of Experimental Psychology: Animal Behavior Processes*, 26, 115-132.
79. Wasserman, E.A., Young, M.E., & \*Nolan, B.C. (2000). Display variability and spatial organization as contributors to the pigeon's discrimination of complex visual stimuli. *Journal of Experimental Psychology: Animal Behavior Processes*, 26, 133-143.
80. Young, M.E., Wasserman, E.A., \*\*Johnson, J.L., & \*\*Jones, F.L. (2000). Positive and negative patterning in human causal learning. *Quarterly Journal of Experimental Psychology*, 53B, 121-138.

81. \*Peissig, J.J., Young, M.E., Wasserman, E.A., & Biederman, I. (1999). The pigeon's perception of depth-rotated shapes. [Invited Paper]. *Cahiers de Psychologie Cognitive (Current Psychology of Cognition)*, 18, 657-690.
82. Young, M.E., Wasserman, E.A., \*Hilfers, M.A., & \*\*Dalrymple, R.M. (1999). An examination of the pigeon's variability discrimination using lists of successively presented stimuli. *Journal of Experimental Psychology: Animal Behavior Processes*, 25, 475-490.
83. Young, M.E., Wasserman, E.A., & \*\*Dalrymple, R.M. (1997). Memory-based *same-different* conceptualization by pigeons. *Psychonomic Bulletin and Review*, 4, 552-558.
84. Young, M.E., Wasserman, E.A., & \*\*Garner, K.L. (1997). Effects of number of display items on the pigeon's discrimination of same from different visual displays. *Journal of Experimental Psychology: Animal Behavior Processes*, 23, 491-501.
85. Young, M.E., & Wasserman, E.A. (1997). Entropy detection by pigeons: Response to mixed visual displays after same-different discrimination training. *Journal of Experimental Psychology: Animal Behavior Processes*, 23, 157-170.
86. Young, M.E. (1995). On the origin of personal causal theories. *Psychonomic Bulletin and Review*, 2, 83-104.

#### BOOK CHAPTERS

1. Young, M.E. (2012). Contemporary thought on the environmental cues that determine causal decisions. T.R. Zentall & E.A. Wasserman (Eds.), *Oxford Handbook of Comparative Cognition* (pp. 141-156). New York: Oxford University Press.
2. Fagot, J., Wasserman, E., & Young, M. (2004). *Categorisation d'objets visuels et concepts relationnels chez l'animal* [Categorization of visual objects and relational concepts by animals]. In J. Vauclair & M. Kreutzer (Eds.), *L'ethologie cognitive [Cognitive ethology]* (pp. 117-136). Paris, Edition de la Maison des Sciences de l'Homme.
3. van den Broek, P., Young, M.E., \*Tzeng, Y., & Linderholm, T. (2004). The Landscape model of reading: Inferences and the on-line construction of a memory representation. In R. B. Ruddell & N.J. Unrau (Eds.), *Theoretical models and processes of reading* (pp. 1244-1269). Newark, DE: International Reading Association.
4. Young, M. E., & Wasserman, E. A. (2004). Theories of learning. In K. Lamberts & R. Goldstone (Eds.), *Handbook of Cognition* (pp. 161-182). Sage Publications.
5. Young, M. E., & Wasserman, E. A. (2003). Visual variability discrimination. In S. A. Soraci & K. Murata-Soraci (Eds.), *Perspectives on fundamental processes in intellectual functioning: Visual information processing* (pp. 171-197). New York: Elsevier/Praeger.
6. Young, M.E., & Wasserman, E.A. (2001). Stimulus control in complex arrays. In R. Cook (Ed.), *Avian Visual Cognition* [On-line]. Available: <http://www.pigeon.psy.tufts.edu/avc>.



7. \*Peissig, J.J., Young, M.E., Wasserman, E.A., & Biederman, I. (2000). The pigeon's perception of depth-rotated shapes. *Picture Perception in Animals*. East Sussex, England: Psychology Press Ltd.
8. van den Broek, P., Young, M.E., \*Tzeng, Y., & \*Linderholm, T. (1999). The Landscape model of reading: Inferences and the on-line construction of a memory representation. In H. van Oostendorp & S. Goldman (Eds.), *The construction of mental representations during reading*. Mahwah, NJ: Lawrence Erlbaum.
9. Young, M.E. (1997). Implicit processes in the development of causal knowledge: A connectionist model of the use of Humean cues. In P. van den Broek, P. Bauer, & T. Berg (Eds.), *Developmental spans in event comprehension and representation: Bridging fictional and actual events* (pp. 29-50). Hillsdale, NJ: Lawrence Erlbaum.
10. Wasserman, E.A., Kao, S., Van Hamme, L., Katagiri, M., & Young, M.E. (1996). Causation and association. In D.R. Shanks, K.J. Holyoak, & D.L. Medin (Eds.), *The psychology of learning and motivation, Vol. 34: Causal learning* (pp. 207-264). San Diego: Academic Press.

#### PROCEEDINGS AND OTHER PUBLICATIONS

1. Young, M.E. & \*Crumer, A. (2018). Reaction times. In J. Vonk & T.K. Shackelford (Eds.), *Encyclopedia of Animal Cognition and Behavior*. Springer. doi:10.1007/978-3-319-47829-6\_731-1
2. Eckels, E.N., Schlabach, M., Young, M.E., Eckels, S. (2017). Measured thermal comfort and sensation in highly transient environments. *ASHRAE Transactions – 2017 Winter Conference – Las Vegas, 123*.
3. Young, M.E. (2012). Categorization, generalization, and discrimination. In N.M. Seel (Ed.), *Encyclopedia of the Sciences of Learning*. Springer.
4. Young, M.E. (2007). [Review of the book *Dark Ages: The Case for a Science of Human Behavior*]. *Perspectives on Science and Christian Faith*, 59, 246.
5. Young, M.E. (2004). The short- and long-term consequences of believing an illusion. *Behavioral and Brain Sciences*, 27, 677-678. Commentary.
6. Schlesinger, M., & Young, M.E. (2003). Examining the role of prediction in infants. In *Proceedings of the Twenty-Fifth Annual Conference of the Cognitive Science Society*.
7. Young, M.E. (1999). Setting the occasion for informative research [Review of the book *Occasion setting: Associative learning and cognition in animals*]. *Contemporary Psychology*, 44, 232-233.
8. Young, M.E., & \*Bailey, T.M. (1994). Event prediction: Faster learning in a layered Hebbian network with memory. In M.C. Mozer, P. Smolensky, D.S. Touretzky, J.L. Elman

& A.S. Weigend (Eds.). *Proceedings of the 1993 Connectionist Models Summer School* (pp. 245-252). Hillsdale, NJ: Lawrence Erlbaum.

9. Young, M.E., & \*\*DeBauche, B. (1993). Causal mechanisms as temporal bridges in a connectionist model of causal attribution. In *Proceedings of the Fifteenth Annual Conference of the Cognitive Science Society* (pp. 1092-1097). Hillsdale, NJ: Lawrence Erlbaum.
10. Young, M.E. (1992). A simple recurrent network model of serial conditioning: Implications for temporal event representation. In *Proceedings of the Fourteenth Annual Conference of the Cognitive Science Society* (pp. 1164-1169). Hillsdale, NJ: Lawrence Erlbaum.

#### **SUBMITTED OR IN PREPARATION**

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Peissig, J.J., Young, M.E., Wasserman, E.A., & Biederman, I. (submitted). Object recognition in pigeons using categorization and pseudocategorization tasks.

Loschky, L.C., Szaffarczyk, S., Beugnet, C., Young, M.E., & Boucart, M. (submitted). The contributions of central and peripheral vision to scene gist recognition with a 180° visual field.

Jackson, A.T., Young, M.E., Howes, S.S., Knight, P., & \*Reichin, S. (in revision). Examining factors influencing use of a decision aid in personnel selection.

Young, M.E. (submitted). Bayesian data analysis as a tool for behavior analysts.

\*Cooper, T., \*\*Liew, A., \*\*\*Andrle, G., \*\*Cafritz, T., \*\*Dallas, H., Niesen, T., \*\*Slater, E., \*\*Stockert, J., \*\*Vold, T., Young, M., & Mendelson, J. (submitted). Latency in problem solving as evidence for learning in varanid and helodermatid lizards, with comments on foraging techniques.

\*Vangsness, L., & Young, M.E. (submitted). The dynamic nature of task completion: Evidence from longitudinal records of research participation.

#### **CONFERENCE PAPERS/POSTERS PRESENTED**

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1. \*Vangsness, L., & Young, M.E. (2018, November). *Procrastination among undergraduate students: A longitudinal study of research credit completion*. Poster presented at the annual meeting of the Psychonomic Society, New Orleans, LA.
2. Young, M.E., Sutherland, S.C., & \*McCoy, A.W. (2018, November). *Variables affecting go/no-go discrimination and response bias*. Paper presented at the annual meeting of the Psychonomic Society, New Orleans, LA.

3. \*Vangsness, L., & Young, M.E. (2018, October). *Central and peripheral cues to difficulty in a dynamic task*. Poster presented at the annual meeting of the Human Factors and Ergonomic Society, Philadelphia, PA.
4. Young, M.E. (2018, May). *The need for research on the relationship between degrees of behavior and degrees of reinforcement*. Invited paper presented at the annual conference for the Society for the Quantitative Analysis of Behavior, San Diego, CA.
5. Jackson, A.T., Knight, P.A., Young, M.E., & Howes, S.S. (2018, April). *Examining factors influencing reliance on decision aids in personnel selection*. In D. C. Zhang & B. Doyle (Chairs). *Decision-aid aversion in employee selection*. Paper presented the Annual Meeting for the Society for Industrial and Organizational Psychology, Chicago, IL.
6. Jackson, A.T., Culbertson, S.S., Kausel, E.E., & Young, M.E. (2017, May). *The impact of escalation decisions on investments, anger, and confidence over time*. Poster presented at Congress of the European Association of Work and Organizational Psychology, Dublin, Ireland. *Winner of Best Practitioner Poster Award*.
7. Young, M.E. (2017, April). *Multilevel regression modeling in comparative cognition*. Workshop presented at the Annual Meeting of the Conference on Comparative Cognition, Melbourne, FL.
8. Young, M.E., & Reed, D.D. (2017, March). *Using nonlinear multilevel modeling to evaluate delay discounting functions*. Poster presented at the Biennial International Convention of Psychological Science, Vienna, Austria.
9. \*Vangsness, L., & Young, M.E. (2016, November). *A dynamic paradigm for the study of effort discounting*. Poster presented at the Annual Meeting of the Psychonomic Society, Boston, MA.
10. Young, M.E., \*McCoy, A.M., & \*Vangsness, L. (2016, April). *Trimodal latencies in waiting for better outcomes*. Paper presented at the annual Oklahoma/Kansas Judgment and Decision Making Conference, Oklahoma City, OK
11. \*\*Tenbrink, A.P., & Young, M.E., (2016, April). *When hurrying offsets the benefits of time-based goal setting*. Poster presented at the Annual Meeting of the Society for Industrial and Organizational Psychology, Anaheim, CA.
12. \*McCoy, A. W., & Young, M. E. (2015, November). *Factors affecting the amplitude of the feedback-related negativity on the balloon analogue risk task*. Poster presented at the Annual Meeting of the Psychonomic Society, Chicago, IL.
13. \*McCoy, A.W., & Young, M.E. (2015, November). *Millennials and chocolate product ethics: Saying one thing and doing another*. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Chicago, IL.

14. \*McCoy, A. W., & Young, M. E. (2015, October). *Modulation of the amplitude of the feedback-related negativity during the balloon analogue risk task*. Poster presented at the Annual Meeting of the Society for Neuroscience, Chicago, IL.
15. Young, M.E. (2015, September). *Experiencing delays and their consequences during game play*. Symposium presentation at the annual meeting of the Society of Experimental Social Psychology, Denver, CO.
16. \*Jackson, A.T., Culbertson, S.S., Kausel, E.E., & Young, M.E. (2015, August). *The influence of goal orientation on exploration versus exploitation choice*. Poster presented at the annual meeting of the American Psychological Association, Toronto, ON.
17. Young, M.E. (2015, April). *How categorical thinking limits scientific progress in psychology*. Invited paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
18. \*Crumer, A., & Young, M.E. (2015, April). *Investigating the effects of truncation and aggregation on reaction time data*. Paper presented at the annual meeting of the Southwestern Psychological Association, Wichita, KS.
19. Young, M.E. (2015, April). *The problem with categorical thinking by psychologists*. Invited paper presented at the annual meeting of the Conference on Comparative Cognition, Melbourne, FL.
20. Young, M.E., \*Webb, T.L., \*Rung, J.M., \*McCoy, A.W. (2014, May). *Impulsivity and risk taking in a gaming environment*. Invited symposium presentation at the annual meeting of the Association for Behavioral Analysis International, Chicago, IL.
21. \*Frye, C., Jacobs, E.A., & Young, M.E. (2014, May). *Holding for a better outcome: Continuously changing probability and magnitude in an accumulation task*. Poster presented at the annual meeting of the Association for Behavioral Analysis International, Chicago, IL.
22. Young, M.E., \*Webb, T.L., \*Rung, J.M., \*McCoy, A.W. (2014, April). *Outcome probability versus magnitude: When waiting benefits one at the cost of the other*. Paper presented at the annual Oklahoma/Kansas Judgment and Decision Making Conference, Oklahoma City, OK.
23. \*Webb, T.L., & Young, M.E. (2013, November). *Waiting when both certainty and magnitude are increasing: Certainty overshadows magnitude again*. Poster presented at the annual meeting of the Psychonomic Society, Toronto, ON.
24. \*McCoy, A.M., & Young, M.E. (2013, November). *Variations on the Balloon Analogue Risk Task*. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Toronto, ON.
25. Hernandez Nopsa, J.F., Ramirez, G.M., Natarajan, B., Prasad, V.P.V., Thomas, S., Young, M.E., & Garrett, K.A. (2013, August). *Uncertainty and agricultural decision making under climate change: When do decision support systems fail, become more*

- important, or require updating?* Poster presented at the joint meeting of the American Phytopathological Society and the Mycological Society of America, Austin, TX.
26. Young, M.E. (2013, July). *Waiting when magnitude and likelihood are changing*. Invited one-day seminar at Utah State University, Department of Psychology.
  27. Young, M.E. (2013, July). *Causal choice in the face of environmental complexity*. Invited paper presented at the annual meeting of the International Cognitive Science Society (Special Symposium titled *Time and Causality: Mutual Constraints – Insights from Event and Time Perception, Motor Control, and Gaming*), Berlin, Germany.
  28. \*Webb, T.L., Young, M.E., & Jacobs, E.A. (2013, May). *The relative effects of increasing probability and magnitude on delay in an experience-based task*. Poster presented at the annual meeting of the Association for Behavior Analysis International, Minneapolis, MN.
  29. \*Frye, C., Jacobs, E.A., & Young, M.E. (2013, May). *Differential reinforcement of lever holding in rats: Assessing the effects of probabilistic reinforcement on temporal discounting in a single manipulandum procedure*. Poster presented at the annual meeting of the Society for the Quantitative Analyses of Behavior, Minneapolis, MN.
  30. Young, M.E. (2013, May). *Delay discounting versus deferred gratification in a video game*. Paper presented at the annual Oklahoma/Kansas Judgment and Decision Making Conference, Oklahoma City, OK.
  31. Young, M.E., \*Webb, T.L., \*Cole, J.J., & Jacobs, E.A. (2012, November). *Patterns of impulsive choice produced by experience-based delay discounting, delay of gratification, and escalating interest tasks*. Paper presented at the annual meeting of the Society for Judgment and Decision Making, Minneapolis, MN.
  32. Young, M.E., \*Webb, T.L., \*\*Rung, J.M., & Jacobs, E.A. (2012, November). *Order effects in impulsive choice*. Paper presented at the annual meeting of the Psychonomic Society, Minneapolis, MN.
  33. \*\*Rung, J. M., Young, M.E., & Jacobs, E.A. (2012, May). *Lasting effects of exponentially increasing outcomes in a video game*. Poster presented at the annual meeting of the Society for the Quantitative Analyses of Behavior, Seattle, WA.
  34. \*Cole, J. J., & Young, M.E. (2012, May). *Experience-based temporal discounting shows no effects of uncertainty or reward magnitude*. Poster presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
  35. \*Webb, T.L., Young, M.E., & Jacobs, E.A. (2012, May). *The magnitude effect in a video game task*. Poster presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
  36. Limongi Tirado, R., \*Sutherland, S.C., \*Zhu, J., Young, M.E., & Habib, R. (2012, April). *Temporal prediction errors anticipatorily modulate cingulate-insular connections*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, Chicago, IL.

37. Young, M.E. (2012, March). *When seconds matter: Choosing when to wait for a better outcome while gaming*. Invited colloquium at the National Institute for Drug Abuse, Washington, DC.
38. \*Frye, C., Jacobs, E.A., Young, M.E., \*Zhu, J. (2011, September). *Differential reinforcement of lever holding when reinforcement parameters are continuously changing: Assessing a novel single manipulandum procedure for measuring "impulsive" behavior in rats*. Paper presented at the annual meeting of the Illinois Data Conference, Carbondale, IL.
39. Young, M.E. (2011, May). *The study of decision making within a video game environment*. Invited paper presented at the Midwestern Psychological Association, Chicago, IL.
40. Limongi Tirado, R., Habib, R., Young, M.E., & Reinke, K. (2011, April). *Higher-order visual causal representation in the prefrontal and premotor cortices*. Paper presented at the 2011 Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
41. \*Cole, J.J., & Young, M.E. (2011, March). *Waiting to take a risk: Temporal discounting in the face of uncertainty*. Poster presented at the ABAI Behavioral Economics Conference, Chicago, IL.
42. \*Webb, T.L., Young, M.E., & Jacobs, E.A. (2011, March). *Waiting for larger vs. more certain outcomes: Choice in a video game environment*. Poster presented at the ABAI Behavioral Economics Conference, Chicago, IL.
43. \*Cole, J.J., & Young, M.E. (2010, November). *Waiting to take a risk: Temporal discounting in the face of uncertainty*. Poster presented at the annual meeting of the Society for Judgment and Decision Making, St. Louis, MO.
44. \*Sutherland, S.C., & Young, M.E. (2010, November). *Advice utilization differences between informed and uninformed decision makers*. Poster presented at the annual meeting of the Psychonomic Society, St. Louis, MO.
45. Young, M.E., \*Webb, T., & Jacobs, E.A. (2010, September). *Evaluation of impulsive behavior using a video game*. Paper presented at the Fifth Biennial Southern Illinois Region Neuroscience Retreat, Collinsville, IL.
46. \*Cole, J.J., & Young, M.E. (2010, June). *Waiting to take a risk: Temporal discounting in the face of uncertainty*. Paper presented at the annual meeting of the Illinois Data Conference, Bloomington, IL.
47. \*Sutherland, S.C., & Young, M.E. (2010, June). *Using experts: Informed and uninformed experience-based decision-making*. Paper presented at the annual meeting of the Illinois Data Conference, Bloomington, IL.
48. Young, M.E., \*\*Webb, T., & Jacobs, E.A. (2009, November). *When waiting increases weapon efficacy: A video game to study delay discounting*. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Boston, MA.

49. \*Sutherland, S.C., & Young, M.E. (2009, November). *Using very inaccurate experts to improve performance*. Poster presented at the annual meeting of the Society for Judgment and Decision Making, Boston, MA.
50. Young, M.E., \*Sutherland, S.C., & \*Cole, J.J. (2009, November). *Studying choice in a first-person-shooter video game*. Paper presented at the annual meeting of the Society for Computers in Psychology, Boston, MA.
51. Young, M.E. (2009, November). *Judgments of delayed causation in a video game*. Paper presented at the annual meeting of the Psychonomic Society, Boston, MA.
52. Wasserman, E.A., Castro, L., & Young, M.E. (2009, November). *Same and different: Keel and backbone*. Paper presented at the annual meeting of the Psychonomic Society, Boston, MA.
53. Young, M.E. (2009, October). *New methodologies for the study of causal choice: Enemy identification in a video game*. Invited presentation for the Drake University Science Colloquium Series, Des Moines, IA.
54. Young, M.E. (2009, August). *Using a video game environment to study choice in the human animal*. Invited paper presented at the annual meeting of the American Psychological Association, Toronto, ON, Canada.
55. \*Cole, J. J., \*Sutherland, S.C., & Young, M.E. (2009, June). *Representative design versus systematic sampling: A Monte Carlo simulation*. Paper presented at the annual meeting of the Illinois Data Conference, Edwardsville, IL.
56. \*Racey, D.E., & Young, M.E. (2009, June). *Choosing among multiple options: A multi-armed bandit task*. Paper presented at the annual meeting of the Illinois Data Conference, Edwardsville, IL.
57. \*Sutherland, S.C., & Young, M.E. (2009, June). *The utilization of expert advice: Effects of cost and accuracy*. Paper presented at the annual meeting of the Illinois Data Conference, Edwardsville, IL.

*In addition, 88 other presentations before 2009.*