VITA

MICHAEL E. YOUNG

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PERSONAL DATA

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	www.k-state.edu/psych/research/youngmike.html

EDUCATION

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

PROFESSIONAL POSITIONS

2012 – Present Faculty and administrator, Kansas State University
    2022 – 2024:   Acting Associate Dean, Graduate School
    2021 – 2022:   Faculty Fellow, Institutional Research and Assessment
    2012 – 2021:   Department Head, Dept. of Psychological Sciences
    2012 – Present: Professor of Psychological Sciences
2000 – 2012 Faculty, Southern Illinois University at Carbondale
    2008 – 2012:   Professor of Psychology
    2004 – 2008:   Associate Professor of Psychology
    2000 – 2004:   Assistant Professor of Psychology
1995 – 2000 Postdoctoral associate, University of Iowa Psychology Department.
1991 – 1995 Graduate Student Instructor, University of Minnesota Psychology Department. Part-time
1984 – 1995 Computer Science Research Consultant, US Army Construction Engineering Research Lab, Champaign, IL. Part-time
1990 – 1991 AI Programmer, Honeywell Corporation, Minneapolis, MN. Part-time
1985 – 1988 Systems Analyst – AI Specialist, Procter & Gamble, Cincinnati, OH. Full-time

HONORS AND AWARDS

2021	Joe Brady Award, *Journal of the Experimental Analysis of Behavior* Author with the most frequently cited *JEAB* paper over the previous three years: *Discounting: A practical guide to multilevel analysis of choice data*
2021	Elected Fellow of the Association for Psychological Science
2020	Kansas State University Presidential Award for Outstanding Department Head
2020	Joe Brady Award, *Journal of the Experimental Analysis of Behavior* Author with the most frequently cited *JEAB* paper over the previous three years: *Discounting: A practical guide to multilevel analysis of indifference data*
2005	Elected Fellow of the American Psychological Association, Division 3
2000	Dean's Appreciation Award, Southern Illinois Univ. 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

External

2023 – 2027	*BoostPrime, A Novel Digital Therapeutic for Craving Mitigation in OUD*. Co-PI of SBIR subaward funded by the National Institute of Drug Abuse (T. Smith, PI; D. Andresen, Co-PI). Total subaward: $223,122 (of $2,635,379 in parent grant, PI S. Patel). NIH R44 DA058531
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.* SIUC 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

Service to Kansas State University

2024 – Present	Board Member, Department of Computer Science Computing Core Interdisciplinary Advisory Board
2024 – Present	Graduate Program Director, Dept. of Psychological Sciences
2024 – Present	Chair, Strategic Projects Committee, Dept. of Psychological Sciences
2023 – Present	Associate Director, Center for Cognitive and Neurobiological Approaches to Plasticity, NIH COBRE Center
2023 – Present	3MT (3-Minute Thesis) judge, Graduate School
2022 – 2024	Acting Associate Dean, Graduate School
	Program and curriculum review, updating and creating policies and procedures, advancing graduate education on campus, strategic planning to support Next-Gen K-State, analyzing actionable graduate data
	Ex Officio Member and Coordinator, Graduate Council and its Academic Affairs Committee and Assessment and Review Committee
	Member, Committee on Academic Policies and Procedures
	Member, Office of Institutional Research and Assessment Assoc. Deans Group
	Member, Data Governance Committee
	Member, Microcredentials Senate/Grad Council Policy Group (2022-23)
	Member, Data Policy Working Group (2023)
2023	Member, K-State Next Gen Task Force for strategic planning: Accelerating Academic Innovation to Meet Student Needs
2023	Chair, Search Committee for Admissions Representative, Graduate School
2022 – 2023	Member, Search Committee for Head of Applied Human Sciences, College of Health and Human Sciences
2022 – 2023	Graduate Student Assessment special project lead – Integrating the assessment process with Power BI, Dept. of Psychological Sciences
2017 – 2023	Alumni Advisory Council Liaison, Dept. of Psychological Sciences
2022	Chair, Search Committee, Teaching Asst. Professor in Psychological Sciences
2022	Member, Performance Review Committee, Dean of College of Arts & Sciences
2021 – 2022	Faculty Fellow, Institutional Research and Assessment, Kansas State University Led development of Power BI training materials and department profiles
2017 – 2022	K-State Scholarship Network Coordinator, Dept. of Psychological Sciences
2018 – 2021	Member, College of Arts & Sciences Service Center Allocation Review Committee (for university RCM budget model)
2012 – 2021	Head, Department of Psychological Sciences

2013 – 2020	Summer Undergraduate Research Opportunity Program (SUROP) workshop presentation, *A Presentation on Presenting (KSRE for 2020 COVID year)*
2018 – 2019	Member, Search Committee, internal search for Associate Dean for Research, College of Arts and Sciences
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
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, Cynthya 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

2005 – Present	Member of Journal Editorial Board
	Frontiers in Comparative Psychology (2010-Present)
	Journal of the Experimental Analysis of Behavior (2015-2021)
	2019 Editor-in-Chief for Special Issue on Modern Statistical Practices in EAB
	Learning and Behavior (2005-2017)

2023 – 2024	3MT (3-Minute Thesis) judge, Midwestern Association of Graduate Schools
2022 – 2024	Member of the Program Committee, Society for Neuroeconomics
2021 – 2023	Co-Editor of Special Issue of *Perspectives on Behavior Science*
	Topic: Advanced Quantitative Techniques for the Analysis of Large Data Sets
2010 – 2022	External Departmental Review
	University of Arkansas, Department of Psychological Science (2022)
	Texas Tech University, Department of Psychological Sciences (2017)
	Auburn University, Department of Psychology (2010)
2018 – 2021	Board of Directors, Council of Graduate Departments of Psychology
	Chair (2020-2021; *the COVID year!*)
	Web Master (2018-2020)
	Co-led sessions at the 2019 annual meeting on fund raising, methodological training, and faculty evaluation.
	Co-led sessions at the 2020 meeting on managing up, inclusive leadership, and networking.
	Program Chair for 2020/2021 Fall and Spring Virtual Conferences
2005 – 2021	External Reviewer for Promotion and/or Tenure
	Louisiana State University (2021)
	University of Missouri – Kansas City (2021)
	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 – 2021	Conference Session Chair
	Oklahoma/Kansas Judgment and Decision Making (2021)
	Comparative Cognition Society (2015)
	Psychonomic Society (2012), Judgment and Decision Making
	American Psychological Association (2009), Division 3 Fellows Session
	Psychonomic Society (2007), Event Cognition
	Psychonomic Society (2003), Category Learning
	Psychonomic Society (1999), Categorization I
2019	Reviewer, APF/COGDOP Graduate Research Scholarships
2012	Ad hoc Member, National Institutes for Health (NIH), Biobehavioral Regulation, Learning and Ethology (BRLE) Study Section Review Panel
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 Brain Research
Behavioural Processes
Biological Psychology
Child Neuropsychology
Cognition
Cognitive Research: Principles and Implications
Comparative Cognition and Behavior Reviews
Computers in Human Behavior
Consciousness and Cognition
Current Opinion in Behavioral Sciences
Developmental Psychology
Experimental and Clinical Psychopharmacology
Experimental Psychology
Frontiers in Behavioral Neuroscience
Frontiers in Comparative Psychology
Frontiers in Medicine
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 Applied Behavior Analysis
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
Journal of Trial and Error
Learning and Behavior
Learning and Motivation
Memory and Cognition
Perception and Psychophysics
Perceptual and Motor Skills
Personnel Assessment and Decisions
Perspectives on Behavior Science
Perspectives on Psychological Science
Pharmacology, Biochemistry and Behavior
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
Scientific Reports
Social Cognition
Visual Cognition

Grant Proposal Reviewer for:
National Institutes of Health (various grants; ad hoc member of BRLE study section in 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, Elsevier, Sage Publications, Wiley Publishing, Wadsworth Publishing

OTHER PROFESSIONAL ACTIVITY

Executive Coach Workshop Leader – Big Data, Kansas State University (January 17, 2019)
Presented full day Bayesian Statistical Analysis Workshop, North Dakota State University,
    Center for Visual and Cognitive Neuroscience (October 26, 2018)
Grant Statistical Consultant, Dr. David Gilbert, Southern Illinois University at Carbondale
    (2010-2018)

PROFESSIONAL AFFILIATIONS

Fellow, Association for Psychological Science, Elected 2021
Fellow, American Psychological Association (Division 3), Elected 2006
Fellow, Psychonomic Society
Behavioral and Brain Sciences Associate

TEACHING INTERESTS

Judgment and Decision Making
Research Methods
Statistical Methods

TEACHING EXPERIENCE

2012 – Present Kansas State University Psychological Sciences Department.
    DAS 199: *Predicting the Future: Mind vs. Math.* CAT Community course
    Psychology 425: *Judgment and Decision Making*
    Psychology 500: *Junior Seminar*
    Psychology 802: *Psychological Research Design and Analysis I*
    Psychology 805: *Psychological Research Design and Analysis II*
    Psychology 809: *Applied Research Methods II*
    Psychology 825: *Judgment Processes*
    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 (and initial or current placement)

Kansas State

Lucas Watson	*Current student*
Patrick Hancock	*Current student*
Robert Southern, Ph.D. (2025 – *Expected*)	*Current student*
Karissa Payne, Ph.D. (2025 – *Expected*)	*Current student*
Greg Erickson, M.S. (2023)	Recent graduate
Brian Howatt, Ph.D. (2023)	Tarleton St. U., Postdoc; IHME consultant
Angela Crumer, Ph.D. (2019)	Washburn U., Lecturer, Dept. of Math & Stats
Lisa Vangsness, M.S. (2017), Ph.D. (2019)	U. of Alabama/Huntsville, Asst. Professor
Anthony McCoy, M.S. (2015)	Ally Financial, Senior Analyst

SIUC

Tara Webb, M.A. (2013), Ph.D. (2020)	Kalamazoo College, Dir. of Inst. Research
James Cole, M.A. (2011), Ph.D. (2018)	Guidehouse, Managing Consultant
Joseph Geeseman, Ph.D. (2012; Co-chair)	U.S. Navy, Smart Sensor Program Manager
Steven Sutherland, M.A. (2009), Ph.D. (2012)	U. of Houston/Clear Lake, Assoc. Professor
Deborah Racey, M.A. (2007), Ph.D. (2009)	Western Carolina University
Nam Nguyen, M.A. (2009)	iMotions, Sr. Neuroscience Prod. Specialist
Joshua Carlson, Ph.D. (2008; Co-chair)	Northern Michigan U., Professor
Steven Neese, Ph.D. (2007; Co-chair)	Cornell College, Assoc. Professor
Roberto Limongi, Ph.D. (2007)	Brandon University (CA), Asst. Professor
Joshua Beckmann, M.A. (2005), Ph.D. (2007)	University of Kentucky, Assoc. Professor
Olga Falmier, M.A. (2004), Ph.D. (2007)	Independent Consultant
Michelle Ellefson, Ph.D. (2002; Co-chair)	University of Cambridge (UK), Professor

RESEARCH INTERESTS

Impulsive decisions
Acquisition and perception of causal and temporal relationships in the environment
Computational models

PUBLICATIONS

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

JOURNAL ARTICLES

1. Young, M.E., Miller, M., Urban, C., & Petrescu, C. (2024). Tracking student progress through graduate programs. *Discover Education, 3. https://doi.org/10.1007/s44217-024-00129-3*

2. Cox, D.J., & Young, M.E. (2024). We live in interesting times: Introduction to the special section on big data and behavior science. *Perspectives on Behavior Science, 47,* 197-202.

3. *Frankot, M., Young, M.E., & Vonder Haar, C. (2024). Understanding individual subject variability through large behavioral datasets: Analytical and statistical considerations. *Perspectives on Behavior Science, 47,* 225-250.

4. Young, M.E., & *Howatt, B.H. (2023). When smaller sooner depletes a pool of resources faster. *Experimental Psychology, 70,* 215-231.

5. *Frankot, M., Mueller, P.M., Young, M.E., & Vonder Haar, C. (2023). Statistical power and false power rates for interdependent outcomes are strongly influenced by test type: Implications for behavioral neuroscience. *Neuropsychopharmacology, 48,* 1612–1622.

6. Young, M.E., & *Howatt, B.H. (2023). Resource limitations: A taxonomy. *Behavioural Processes, 206,* 104823.

7. Soto, P.L., Young, M.E., *DiMarco, G., *George, B., Melnikova, T., Savonenko, A., & Harris, B. (2023). Longitudinal assessment of cognitive function in the APPswe/PSEN1dE9 mouse model of Alzheimer's-related beta-amyloidosis. *Neurobiology of Aging, 128*, 85-99.

8. Young, M.E., & *Howatt, B.H. (2023). Cue transparency leads to a myopic decision habit: Optimal training ratios to avoid overshadowing. *Learning & Motivation, 82,* 101886, https://doi.org/10.1016/j.lmot.2023.101886.

9. Hildebrandt, B.A., Fisher, H., LaPalomara, Z., Young, M.E., and Ahmari, S.E. (2023). Corticostriatal dynamics underlying components of binge-like eating in mice. *Appetite, 183*.

10. *Brandner, J.L., Brase, G.L., & Young, M.E. (2023). Size, scale, and design matter: Commentary on Lewis, Al-Shawaf, Semchenko, and Evans (2022). *Evolution and Human Behavior, 44,* 140-143.

11. *Howatt, B.H., & Young, M.E. (2023). The effects of sound in the balloon analogue risk task. *Behavior Research Methods, 55,* 3433–3445. https://doi.org/10.3758/s13428-022-01966-6

12. <u>Young, M.E.</u>, & *Howatt, B.H. (2022). Learning when to wait and when to act. *Learning and Behavior, 50*, 207-221. https://doi.org/*10*.3758/s13420-021-00482-5

13. *Rader, A.E., <u>Young, M.E.</u>, Leaf, J.B. (2021). A quantitative analysis of accuracy, reliability and bias in judgements of functional analyses. *Journal of the Experimental Analysis of Behavior, 116,* 166-181.

14. <u>Young, M.E.</u> & Hoane, M.H. (2021). Mixed effects modeling of Morris water maze data revisited: Bayesian censored regression. *Learning and Behavior, 49,* 307–320. https://doi.org/10.3758/s13420-020-00457-y

15. #Silveira, M., #Camargo, J.C., Aggio, N.M., *Ribeiro, G.W., Cortez, M.D., <u>Young, M.E.</u>, & de Rose, J.C. (2021). The influence of training procedure and stimulus valence on the long-term maintenance of equivalence relations. *Behavioural Processes, 185*. https://doi.org/10.1016/j.beproc.2021.104343.

16. *Vangsness, L., & <u>Young, M.E.</u> (2021). More isn't always better: When metacognitive prompts are misleading. *Metacognition and Learning, 16,* 135-156.

17. Wasserman, E. A., <u>Young, M. E.</u>, & Castro, L. (2021). Mechanisms of same-different conceptualization: Entropy happens! *Current Opinion in Behavioral Sciences, 37,* 19-28.

18. *Vangsness, L., & <u>Young, M.E.</u> (2020). Turtle, task ninja, or time-waster? Who cares - traditional task completion strategies are overrated. *Psychological Science, 31,* 306-315. doi.org/10.1177/0956797619901267.

19. <u>Young, M.E.</u>, & *McCoy, A.M. (2019). Variations on the balloon analogue risk task: A censored regression analysis. *Behavior Research Methods, 51*, 2509-2521.

20. *Steele, C.C., **Gwinner, M., Smith, T., <u>Young, M.E.</u>, & Kirkpatrick, K. (2019). Experience matters: The effects of hypothetical versus experiential delays and magnitudes on impulsive choice in delay discounting tasks. *Brain Sciences, 9(12),* 379, https://doi.org/10.3390/brainsci9120379

21. *Vangsness, L., & <u>Young, M.E.</u> (2019). Central and peripheral cues to difficulty in a dynamic task. *Human Factors, 61,* 749–762.

22. Jackson, A.T., <u>Young, M.E.</u>, Howes, S.S., Knight, P., & *Reichin, S. (2019). Examining factors influencing use of a decision aid in personnel selection. *Personnel Assessment and Decisions, 5,* 1-36.

23. Loschky, L.C., Szaffarczyk, S., Beugnet, C., <u>Young, M.E.</u>, & Boucart, M. (2019). The contributions of central and peripheral vision to scene gist recognition with a 180° visual field. *Journal of Vision, 19,* doi:10.1167/19.5.15.

24. Young, M.E. (2019). Modern statistical practices in the experimental analysis of behavior: An introduction to the special issue. *Journal of the Experimental Analysis of Behavior, 111,* 149-154.

25. Young, M.E. (2019). Bayesian data analysis as a tool for behavior analysts. *Journal of the Experimental Analysis of Behavior, 111,* 225-238.

26. Peissig, J.J., Young, M.E., Wasserman, E.A., & Biederman, I. (2019). Pigeons spontaneously form three-dimensional shape categories. *Behavioural Processes, 158,* 70-76.

27. *Cooper, T., **Liew, A., ***Andrle, G., **Cafritz, T., **Dallas, H., Niesen, T., **Slater, E., **Stockert, J., **Vold, T., Young, M., & Mendelson, J. (2019). Latency in problem solving as evidence for learning in varanid and helodermatid lizards, with comments on foraging techniques. *Copeia, 107,* 78-84.

28. 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*.

29. Young, M.E., *Vangsness, L., & *McCoy, A.M. (2018). The temporal dynamics of waiting when reward is increasing. *Behavioural Processes, 18,* 193-202.

30. 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

31. 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

32. 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. RECEIVED JOURNAL'S JOE BRADY AWARD FOR MOST CITED ARTICLE OVER A THREE-YEAR PERIOD.

33. *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

34. #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.

35. Young, M.E. (2017). Discounting: A practical guide to multilevel analysis of indifference data. *Journal of the Experimental Analysis of Behavior*, *108,* 97-112. RECEIVED JOURNAL'S JOE BRADY AWARD FOR MOST CITED ARTICLE OVER A THREE-YEAR PERIOD.

36. 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.

37. 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 Linguistica Teórica y Aplicada (Journal of Theoretical & Applied Linguistics), 54,* 43-62.

38. #Sutherland, S.C., Harteveld, 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.

39. Young, M.E. (2016). The problem with categorical thinking by psychologists. *Behavioural Processes, 123*, 43-53.

40. 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.

41. *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.

42. 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*.

43. #Sutherland, S.C., Harteveld, C., & Young, M.E. (2015). The role of environmental predictability and costs in relying on automation. *Proceedings of the 33rd Annual SIGCHI Conference on Human Factors in Computing Systems* (pp. 2535-2544). Association for Computing Machinery: New York.

44. *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 Behavio*r, *103*, 108-124.

45. 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.

46. Young, M.E. (2014). Sex differences in the inference and perception of causal relations within a video game. *Frontiers in Psychol*ogy, *5,* 926. doi: 10.3389/fpsyg.2014.00926.

47. 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.

48. **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.

49. 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.

50. 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.

51. 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.

52. #Limongi, R., *Sutherland, S.C., *Zhu, J., Young, M.E., & Habib, R. (2013). Temporal prediction errors modulate cingulate-insular coupling. *NeuroImage, 71,* 147-157.

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BOOK CHAPTERS

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2. Fagot, J., Wasserman, E., & Young, M. (2004). *Categorisation d'objets visuals 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.

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PROCEEDINGS AND OTHER PUBLICATIONS
1. Young, M.E. & *Crumer, A. (2019). 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. *Tzeng, Y., & van den Broek, P., Young, M.E., (1999). Updating memory representations during reading: The role of cohort competition. In *Proceedings of the Fifteenth Annual Conference of the Cognitive Science Society* (p. 1272). Hillsdale, NJ: Lawrence Erlbaum.

9. 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.

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11. 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

Vangsness, L., & Young, M.E. (in revision). Patterns of cue use while watching others perform a task support the simulation theory of metacognition.

*Howatt, B.H., & Young, M.E. (submitted). Humans outperform reinforcement learning algorithms in a competitive game.

Hall, S.E., *White, Z.J., & Young, M.E. (submitted). Behavioral time course of male and female TgF344-AD rats: Analysis of memory, coordination and muscular strength in a model of Alzheimer's disease.

Soto, P.L., Young, M.E., **Nguyen, S., *Torres, F., *Henshaw, M., **Goodson, M., Batdorf, H., Burke, S., & Collier, J. (submitted). Long-term effects of early adolescent second-generation antipsychotic exposure on body weight, caloric intake, and metabolism-associated gene expression.

Young, M.E., & Petrescu, C. (submitted). Holistic graduate admissions and decision science.

Young, M.E., & Petrescu, C. (submitted). Assessing graduate student perceptions and predicting willingness to recommend.

Young, M.E. & Hancock, P.M. (in preparation). The emergence of consistent response biases in the escalating interest impulsivity task.

CONFERENCE PAPERS/POSTERS PRESENTED

1. Howatt, B.C., Faulkenberry, T.J., & Young, M.E. (2024, May). *Magnitude and delay uncertainty differentially impact impulsive choices*. Poster presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, Philadelphia, PA.

2. Young, M.E. (2024, April). *Structuring accelerated programs*. Paper presented at the annual meeting of the Big XII Graduate Administrators, Ames, IA.

3. Petrescu, C.A., Miller, M.M., & Young, M.E. (2024, April). *Strategic initiatives for dynamic times*. Paper presented at the annual meeting of the Midwestern Association of Graduate Schools, St. Louis, MO.

4. *Hancock, P. M., **Toothaker, J. J., **Swall, A. J., **Smith, N. M., *Howatt, B. C., *Payne, K., & Young, M.E. (2023, May). *Impulsivity and prolonged exposure in changing environments*. Poster presented at the annual meeting of the Society for the Quantitative Analyses of Behavior, Denver, CO.

5. *Howatt, B.C. & Young, M.E. (2023, April). *Exploiting predictability in competitive games: A reinforcement learning approach*. Paper presented at the Oklahoma/Kansas Judgment and Decision Making Conference, Lawrence, KS.

6. Young, M.E., & *Howatt, B.C. (2023, April). *A taxonomy of resource limitation tasks*. Paper presented at the Oklahoma/Kansas Judgment and Decision Making Conference, Lawrence, KS.

7. *White, Z.J., Young, M.E., & Hall, S.E. (2023, April). *Influence of aerobic exercise on cognitive function in the TgF344-AD model of Alzheimer's disease*. Poster presented at the American Physiology Summit, Long Beach, CA.

8. *Allison, M., *Howatt, B.C., & Young, M.E. (2023, April). *Expecting the unexpected: Event-related potentials during a reversal learning task.* Poster presented at the annual meeting of the Southeastern Psychological Association, New Orleans, LA.

9. *Frankot, M.A., Young, M.E. & Vonder Haar, C. (2022, November). *Linear analysis of interdependent data substantially inflates false positive rates for detecting effects of brain injury*. Poster presented at the annual meeting of the Society for Neuroscience, San Diego, CA.

10. *Howatt, B.C. & <u>Young, M.E.</u> (2022, June). *Humans outperform reinforcement learning-based algorithms in a competitive game*. Poster presentation at the Multidisciplinary Conference on Reinforcement Learning and Decision Making, Providence, RI.

11. Rader, A., <u>Young, M.E.</u>, Weiss, M.J., & Leaf, J. (2022, May). *Confidence intervals to supplemental visual analysis in interpretation of functional analyses*. Symposium presentation for the annual meeting of the Association for Behavior Analysis International, Boston, MA.

12. <u>Young, M.E.</u>, Rader, A., & Leaf, J. (2022, May). *A quantitative analysis of accuracy, reliability and bias in judgements of functional analyses*. Symposium presentation for the annual meeting of the Association for Behavior Analysis International, Boston, MA.

13. <u>Young, M.E.</u> (2022, May). *Response limitations: How depletion and replenishment cliffs affect waiting*. Invited presentation for the annual meeting of the Society of the Quantitative Analysis of Behavior, Boston, MA.

14. *Frankot, M. <u>Young, M.E.</u>, & Vonder Haar, C. (2022, May). *Categorical analyses of raw data outperformed linear regression in simulated 4-choice data*. Poster presented at the annual meeting of the Society of the Quantitative Analysis of Behavior, Boston, MA.

15. *Howatt, B., & <u>Young, M.E.</u> (2021, May). *Experiencing delayed punishments reduces impulsivity.* Poster/paper presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, Virtual.

16. *Howatt, B., & <u>Young, M.E.</u> (2021, April). *Learning when to wait and when to act*. Paper presented at the annual meeting of the Oklahoma/Kansas Judgment and Decision Making Conference, Virtual.

17. *Howatt, B., & <u>Young, M.E.</u> (2020, November). *Cue omission reduces sensitivity to impulsive and self-controlled reward contingencies*. Poster presented at the annual meeting of the Psychonomic Society, Virtual Conference.

18. Vangsness, L., & <u>Young, M.E.</u> (2019, October). *Metacognition in human factors: The rewards and consequences of repeated assessment.* Poster presented at the annual meeting of the Human Factors and Ergonomic Society, Seattle, WA.

19. *Howatt, B., & <u>Young, M.E.</u> (2019, May). *The effects of sound on dynamic risk-taking.* Poster presented at the annual meeting of the Mid-American Association for Behavior Analysis, Omaha, NE.

20. *Howatt, B., & <u>Young, M.E.</u> (2019, May). *Adaptive learning in competitive games.* Paper presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, Chicago, IL.

21. *Camargo, J., & <u>Young, M.E.</u> (2019, May). *Using generalized linear mixed-effects models to analyze data from a common-pool resources task.* Paper presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, Chicago, IL.

22. *Vangsness, L., & <u>Young, M.E.</u> (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.

23. <u>Young, M.E.</u>, 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.

24. *Vangsness, L., & <u>Young, M.E.</u> (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.

25. <u>Young, M.E.</u> (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.

26. Jackson, A.T., Knight, P.A., <u>Young, M.E.</u>, & 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.

27. Jackson, A.T., Culbertson, S.S., Kausel, E.E., & <u>Young, M.E.</u> (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.*

28. <u>Young, M.E.</u> (2017, April). *Multilevel regression modeling in comparative cognition.* Workshop presented at the Annual Meeting of the Conference on Comparative Cognition, Melbourne, FL.

29. <u>Young, M.E.</u>, & 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.

30. *Vangsness, L., & <u>Young, M.E.</u> (2016, November). *A dynamic paradigm for the study of effort discounting.* Poster presented at the Annual Meeting of the Psychonomic Society, Boston, MA.

31. <u>Young, M.E.</u>, *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.

32. **Tenbrink, A.P., & <u>Young, M.E.</u>, (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.

33. *McCoy, A. W., & <u>Young, M. E.</u> (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.

34. *McCoy, A.W., & <u>Young, M.E.</u> (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.

35. *McCoy, A. W., & <u>Young, M. E.</u> (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.

36. <u>Young, M.E.</u> (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.

37. *Jackson, A.T., Culbertson, S.S., Kausel, E.E., & <u>Young, M.E.</u> (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.

38. <u>Young, M.E.</u> (2015, April). *How categorical thinking limits scientific progress in psychology.* Invited paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.

39. *Crumer, A., & <u>Young, M.E.</u> (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.

40. <u>Young, M.E.</u> (2015, April). *The problem with categorical thinking by psychologists.* Invited paper presented at the annual meeting of the Conference on Comparative Cognition, Melbourne, FL.

41. <u>Young, M.E.</u>, *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.

42. *Frye, C., Jacobs, E.A., & <u>Young, M.E.</u> (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.

43. <u>Young, M.E.</u>, *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.

44. *Webb, T.L., & <u>Young, M.E.</u> (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.

45. *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.

46. 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.

47. Young, M.E. (2013, July). *Waiting when magnitude and likelihood are changing.* Invited one-day seminar at Utah State University, Department of Psychology.

48. 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.

49. *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.

50. *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.

51. 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.

In addition, 115 other presentations before 2013.