

**CURRICULUM VITAE  
DARRELL A. WORTHY**

(February 24, 2020)

**POSITIONS AND EMPLOYMENT**

- 2015- Associate Professor, Department of Psychological and Brain Sciences,  
Texas A&M University  
2010-2015 Assistant Professor, Department of Psychological and Brain Sciences,  
Texas A&M University

**CONTACT**

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**EDUCATION**

- 2010 Ph.D. in Cognitive Psychology & Neuroscience, University of Texas at  
Austin.  
2007 M.A. in Cognitive Psychology, University of Texas at Austin.  
2005 B.S., with Honors, in Psychology, University of North Texas.

**GRANTS, FELLOWSHIPS, AND AWARDS**

- 2014-2020 **Principal Investigator** (Co-PI: David M. Schnyer).  
NIMH R01, PAR-11-337; Total Direct Costs: \$1,182,700  
Impact Score: 20; Percentile: 6th  
*A Computational Neuroscience Approach to Frontal Compensation in  
Decision-Making* (Funding Period – 01/01/2014 – 12/31/2020).

**PEER-REVIEWED JOURNAL PUBLICATIONS**

- Don, H.J., Otto, A.R., Cornwall, A.R., Davis, T., & Worthy, D.A. (2019). Learning  
reward frequency over reward probability: A tale of two learning rules. *Cognition*,  
2019, 104042  
Joyner, K.J., Bowyer, C.B., Yancey, J.R., Venables, N.C., Foell, J., Worthy, D.A.,  
Hajcak, G., Bartholow, B.D., & Patrick, C.J. (in press). Blunted reward  
sensitivity and trait disinhibition interact to predict substance use  
problems. *Clinical Psychological Science*, 7(5), 1109-1124

- Byrne, K.A., Cornwall, A.C., & Worthy, D.A. (in press). Acute stress improves long-term reward maximization in decision-making under uncertainty. *Brain & Cognition*, 133, 84-93.
- Byrne, K.A., Otto, A.R., Pang, B., Patrick, C.J., & Worthy, D.A. (in press). Substance use is associated with reduced devaluation sensitivity. *Cognitive, Affective, & Behavioral Neuroscience*, 19(1), 40-55.
- Byrne, K.A., & Worthy, D.A. (2019). Examining the link between reward and response inhibition in individuals with substance use problems. *Drug and Alcohol Dependence*, 194, 518-525.
- O'Bryan, S.R., Worthy, D.A., Livesey, E.J., & Davis, T. (2018). Model-based fMRI reveals dissimilarity underlying base rate neglect. *eLife*, 7:e36395.
- Cornwall, A.C., Byrne, K.A., & Worthy, D.A. (2018). Gender differences in preference for reward frequency versus reward magnitude in decision-making under uncertainty. *Personality and Individual Differences*, 135, 40-44.
- Smayda, K.E., Worthy, D.A., & Chandrasekaran, B. (2018). Better late than never (or early): Late music training enhances decision-making. *Psychology of Music*, 46(5), 734-748. (5-Year Impact Factor: 2.357).
- Pang, B., Blanco, N.J., Maddox, W.T., & Worthy, D.A. (2017). To Not Settle for Small Losses: Evidence for an Ecological Aspiration Level of Zero in Dynamic Decision-Making. *Psychonomic Bulletin and Review*, 24(2), 536-546. (5-Year Impact Factor: 3.650).
- Byrne, K.A., & Worthy, D.A. (2016). Toward a Mechanistic Account of Gender Differences in Reward-Based Decision-Making. *Journal of Neuroscience, Psychology, and Economics*, 9, 157-168. (5-Year Impact Factor: 1.21).
- Byrne, K.A.\*, Davis, T., & Worthy, D.A. (2016). Dopaminergic genetic polymorphisms predict rule-based category-learning. *Journal of Cognitive Neuroscience*, 28, 959-970. (5-Year Impact Factor: 5.705).
- Worthy, D.A., Davis, T., Gorlick, M.A., Cooper, J.A., Bakkour, A., Mumford, J., Poldrack, R.A., & Maddox, W.T. (2016). Neural correlates of state-based decision-making in younger and older adults. *Neuroimage*, 130, 13-23. (5-Year Impact Factor 7.289).
- Byrne, K.A.\*, Patrick, C.J., & Worthy, D.A. (2016). Striatal dopamine, externalizing proneness, and substance abuse. Effects of wanting and learning during reward-based decision-making. *Clinical Psychological Science*, 4, 760-774. (5-Year Impact Factor Not Yet Available).

- Byrne, K.A.\*, Norris, D.D.\*\*\*, & Worthy, D.A. (2016). Dopamine, depressive symptoms, and decision-making: The relationship between spontaneous eyeblink rate, and depressive symptoms predicts Iowa Gambling Task performance. *Cognitive, Affective, and Behavioral Neuroscience*, *16*, 23-36. (5-Year Impact Factor: 4.319). \*Awarded Best Article in *Cognitive, Affective, and Behavioral Neuroscience* for 2016.
- Byrne, K.A.\*, Tibbett, T.P., Carter-Sowell, A.R., Laserna, L.N.\*\*\*, & Worthy, D.A. (2016). Ostracism reduces reliance on poor advice from others during decision-making. *Journal of Behavioral Decision Making*, *29*, 409-418. (5-Year Impact Factor: 2.552).
- Cooper, J.A.\*, Worthy, D.A., & Maddox, W.T. (2016). Information about foregone rewards impedes dynamic decision-making in older adults. *Aging, Neuropsychology, & Cognition*, *23*, 103-116. (5-Year Impact Factor: 1.711).
- Cooper, J.A.\*, Worthy, D.A., & Maddox, W.T. (2015). Chronic motivational state interacts with task reward structure in dynamic decision-making. *Cognitive Psychology*, *83*, 40-53. (5-Year Impact Factor: 6.420).
- Steingroever, H., Fridberg, D. J., Horstmann, A., Kumari, V., Kjome, K. L., Lane, S.D., Maia, T.V., McClelland, J.L., Pachur, T., Premkumar, P., Stout, J., Wetzels, R., Wood, S., Worthy, Darrell A., Wagenmakers, E.J. (2015). Psychology Data from Healthy Participants Performing the Iowa Gambling Task: A “Many Labs” Collaboration. *Journal of Open Psychology Data*, *3*, e5.
- Byrne, K.\*, Silasi-Mansat, C.\*, & Worthy, D.A. (2015). Who chokes under pressure? The big five personality traits and decision-making under pressure. *Personality and Individual Differences*, *74*, 22-28. (5-Year Impact Factor: 2.308).
- Gorlick, M.A., Worthy, D.A., Kopnik, V.S., McGeary, J.E., Beevers, C.G., & Maddox, W.T. (2015). DRD4 7 repeat carriers show enhanced attention to high-priority items in the environment. *Journal of Cognitive Neuroscience*, *27*, 509-521. (5-Year Impact Factor: 5.705. Equal contribution from the first two authors).
- Worthy, D.A., Otto A.R., Doll, B.B., Byrne, K.A.\*, & Maddox, W.T. (2015). Older adults are highly responsive to recent events during decision-making. *Decision*, *2*, 27-38. (5-Year Impact Factor Not Yet Available; *Decision* is a new APA journal).
- Pang, B.\*, Otto, A.R., & Worthy, D.A. (2015). Self-control moderates decision-making behavior when minimizing losses versus maximizing gains. *Journal of Behavioral Decision-Making*, *28*, 176-187. (5-Year Impact Factor: 2.552).

- Byrne, K.A.\*, & Worthy, D.A. (2015). Gender differences in reward sensitivity and information processing during decision-making. *Journal of Risk and Uncertainty*, 50, 55-71 (5-Year Impact Factor: 2.185).
- Samanez-Larkin, G.R., Worthy, D.A., Mata, R., McClure, S.M., & Knutson, B. (2014). Adult age differences in frontostriatal representation of prediction error but not reward outcome. *Cognitive, Affective, & Behavioral Neuroscience*, 14, 672-682. (5-Year Impact Factor: 4.319).
- Worthy, D.A. & Byrne, K.A,\* & Fields, S. (2014). Effects of emotion on prospection during decision-making. *Frontiers in Psychology*, 5:591. (5-Year Impact Factor: 2.869).
- Worthy, D.A., Cooper, J.A.\*, Byrne, K.A.\*, Gorlick, M.A., & Maddox, W.T. (2014). State-based versus reward-based motivation in younger and older adults. *Cognitive, Affective, & Behavioral Neuroscience*, 14, 1208-1220. (5-Year Impact Factor: 4.319).
- Cooper, J.A.\*, Gorlick, M.A., Denny, T., Worthy, D.A., Beavers, C.G., & Maddox, W.T. (2014). Training attention improves decision-making in individuals with elevated self-reported depressive symptoms. *Cognitive, Affective, & Behavioral Neuroscience*, 14, 729-741. (5-Year Impact Factor: 4.319).
- Worthy, D.A., & Maddox, W.T. (2014). A Comparison Model of Reinforcement-Learning and Win-Stay-Lose-Shift Decision-Making Processes: A Tribute to W.K. Estes. *Journal of Mathematical Psychology*, 41-49 (Special issue honoring W.K. Estes; 5-Year Impact Factor: 1.935).
- Worthy, D.A., Pang, B.\*, & Byrne, K.A.\* (2013). Decomposing the roles of perseveration and expected value representation in models of the Iowa Gambling Task. *Frontiers in Human Neuroscience*, 4:640 (Special Topic – IGT: 20 Years After; 5-Year Impact Factor: 3.268).
- Cooper, J.A.\*, Worthy, D.A., Gorlick, M.A., & Maddox, W.T. (2013). Scaffolding across the lifespan in history dependent decision-making. *Psychology and Aging*, 28, 505-514 (5-Year Impact Factor: 4.055).
- Byrne, K.\*, & Worthy, D.A. (2013). Do narcissists make better decisions? An investigation of narcissism and dynamic decision-making performance. *Personality and Individual Differences*, 55, 112-117 (5-Year Impact Factor: 2.308).
- Worthy, D.A., Markman, A.B., & Maddox, W.T. (2013). Feedback timing and stimulus offset effects in perceptual category learning. *Brain and Cognition*, 81, 283-293 (5-Year Impact Factor: 3.790).

- Worthy, D.A., Hawthorne, M.A. & Otto, A.R. (2013). Heterogeneity of strategy use in the Iowa Gambling Task: A comparison of win-stay-lose-shift and reinforcement learning models. *Psychonomic Bulletin and Review*, 20, 364-371 (5-Year Impact Factor: 3.306).
- Beevers, C.G., Worthy, D.A., Gorlick, M.A., Nix, B., Chotibut, T., & Maddox, W.T. (2013). Influence of depression symptoms on history independent reward and punishment processing. *Psychiatry Research*, 207, 53-60 (5-Year Impact Factor: 3.186).
- Maddox, W.T., Gorlick, M.A., Worthy, D.A., & Beevers, C.G. (2012). Depressive symptoms enhance loss-minimization but attenuate gain-maximization in history-dependent decision-making. *Cognition*, 125, 118-124. (5-Year Impact Factor: 5.088).
- Worthy, D.A., Otto, A.R., & Maddox, W.T. (2012). Working-Memory Load and Temporal Myopia in Dynamic Decision-Making. *Journal of Experimental Psychology: Learning, Memory, & Cognition*. 38, 1640-1658. (5-Year Impact Factor: 3.656).
- Worthy, D.A., & Maddox, W.T. (2012). Age-Based Differences in Strategy-use in Choice Tasks. *Frontiers in Human Neuroscience*, 5(145), 1-10. (5-Year Impact Factor: 3.268)
- Worthy, D.A., Gorlick, M.A., Pacheco, J.L., Schnyer, D.M., & Maddox, W.T. (2011). With Age Comes Wisdom: Decision-Making in Younger and Older Adults. *Psychological Science*, 22, 1375-1380. (5-Year Impact Factor: 6.501)
- Worthy, D.A., Brez, C.C., Markman, A.B., & Maddox, W.T. (2011). Motivational Influences on Cognitive Performance in Children: Focus Over Fit. *Journal of Cognition and Development*, 12, 103-119. (5-Year Impact Factor: 2.054)
- Worthy, D.A., Markman, A.B., & Maddox, W.T. (2009). Choking and Excelling Under Pressure in Experienced Classifiers. *Attention, Perception and Psychophysics*, 71, 924-935. (5-Year Impact Factor: 2.448)
- Worthy, D.A., Markman, A.B., & Maddox, W.T. (2009). What is Pressure? Evidence for Social Pressure as a Type of Regulatory Focus. *Psychonomic Bulletin and Review*, 16, 344-349. (5-Year Impact Factor: 3.306)
- Worthy, D.A., Markman, A.B., & Maddox, W.T. (2009). Choking and Excelling at the Free Throw Line. *International Journal of Creativity and Problem Solving*, 19, 53-58. (5-Year Impact Factor Not Yet Available)

- Worthy, D.A., Maddox, W.T., & Markman, A.B. (2008). Ratio and Difference Comparisons of Expected Reward in Decision Making Tasks. *Memory and Cognition*, 36, 1460-1469. (5-Year Impact Factor: 2.489)
- Worthy, D.A., Maddox, W.T., & Markman, A.B. (2007). Regulatory Fit Effects in a Choice Task. *Psychonomic Bulletin and Review*, 14, 1125-1132. (5-Year Impact Factor: 3.306)
- Markman, A.B., Maddox, W.T., Worthy, D.A., & Baldwin, G.C. (2007). Using Regulatory Focus to Explore Implicit and Explicit Processing. *Journal of Consciousness Studies*, 14, 132-155. (5-Year Impact Factor: 0.654)
- Markman, A.B., Maddox, W.T., & Worthy, D.A. (2006). Choking and Excelling Under Pressure. *Psychological Science* 17(11), 944-948. (5-Year Impact Factor: 6.501)

\*Denotes supervised graduate student contribution

\*\*Denotes supervised undergraduate student contribution

## **BOOK CHAPTERS AND OTHER PUBLICATIONS**

- Maddox, W.T., Gorlick, M.A., & Worthy, D.A. (2015). Towards a three-factor motivation-learning framework in normal aging. Braver, T.S. (Ed.), *Motivation and Cognitive Control*. Routledge, New York: Taylor & Francis.
- Patrick, C.J., Foell, J., Venables, N.C., & Worthy, D.A. (2015). Substance use disorders as externalizing outcomes. T. P. Beauchaine & S. P. Hinshaw (Eds.), *Oxford handbook of externalizing spectrum disorders*. New York: Oxford University Press.
- Davis, T., Goldwater, M., Gaylord, N., Worthy, D.A., Otto, A.R., & Glass, B. (2013). The Cognitive Psychology of Human-Bat Interactions: Implications for Ecological Policy and Zoonotic Disease Transmission. In *Bats: Phylogony and Evolutionary Insights, Conservation Strategies and Role in Disease Transmission*. Nova Publishers.

## **PEER-REVIEWED CONFERENCE PROCEEDINGS**

- Worthy, D.A., Otto, A.R., Cornwall, A.C., Don, H.J., & Davis, T. (2018). A case of divergent predictions made by delta and decay rule learning models. *Proceedings of the 40<sup>th</sup> Annual Meeting of the Cognitive Science Society*.
- Pang, B., Byrne, K.A., & Worthy, D.A. (2016). Working Memory Affects Attention to Loss Value and Loss Frequency in Decision-making under Uncertainty. *Proceedings of the 38th Annual Conference of the Cognitive Science Society*. (5-Year Impact Factor: Not Available).

Otto, A.R., Gershman, S., Worthy, D.A., & Hotaling, J.M. (2011). Symposium: Computational, Neuroscientific, and Lifespan Perspectives on the Exploration-Exploitation Dilemma. *Proceedings of the 33rd Annual Conference of the Cognitive Science Society*. (5-Year Impact Factor: Not Available)

Worthy, D.A., Maddox, W.T., & Markman, A.B. (2009). Less is More: Stimulus-Feedback Co-Occurrence in Perceptual Category Learning, *Proceedings of the 31st Annual Conference of the Cognitive Science Society*. (5-Year Impact Factor: Not Available).

*\*Denotes supervised graduate student contribution*

*\*\*Denotes supervised undergraduate student contribution*

## **REVIEWING SERVICE TO THE FIELD**

### Grant Panels

*National Science Foundation: Perception, Action, and Cognition Panel*

*Swiss National Science Foundation*

### Scientific Journals

*Aging Neuropsychology, and Cognition*

*Behavioral Brain Research*

*Behavioral Research Methods*

*Canadian Journal of Experimental Psychology*

*Cognition*

*Cognitive, Affective, and Behavioral Neuroscience*

*Cognitive Psychology*

*Cognitive Science*

*Current Directions in Psychological Science*

*Decision*

*Educational Psychology*

*European Journal of Information Systems*

*Experimental Brain Research*

*Frontiers in Cognitive Science*

*Frontiers in Neuroscience*

*Frontiers in Psychology*

*Journal of Applied Psychology*

*Journal of Applied Sport Psychology*

*Journal of Cognitive Neuroscience*

*Journal of Consumer Research*

*Journal of Experimental Psychology: Applied*

*Journal of Experimental Psychology: General*

*Journal of Experimental Psychology: Human Perception and Performance*

*Journal of Experimental Psychology: Learning, Memory, and Cognition*

*Journal of Experimental Social Psychology*

*Journal of Gerontology Series B: Psychological Sciences*  
*Journal of Sport and Exercise Psychology*  
*Memory & Cognition*  
*Neurobiology of Aging*  
*Neuroimage*  
*Personality and Social Psychology Review*  
*PLOS One*  
*Proceedings of the Cognitive Science Society*  
*Psychonomic Bulletin & Review*  
*Quarterly Journal of Experimental Psychology*  
*Scandinavian Journal of Medicine & Science in Sports*  
*Social, Cognitive, and Affective Neuroscience*  
*Sport, Exercise, and Performance Psychology*

## **PRESENTATIONS**

- Byrne, K.A.\*, & Worthy, D.A. (2014) Dopaminergic genes predict rule-based category learning. Poster to be presented at the Annual Meeting of the Cognitive Science Society, July, 2014. Quebec City, Canada.
- Byrne, K.A.\*, & Worthy, D.A. (2014) Dopaminergic genes predict rule-based category learning. Poster presented at the Annual Meeting of the Association for Psychological Science, May, 2014. San Francisco California.
- Byrne, K.A.\*, Worthy, D.A., Knopik, V.S., McGeary, J.E., Beevers, C.G. & Maddox, W.T. (2014). A Test of the Warrior/Worrier Hypothesis for the *COMT* Val158Met Polymorphism. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, April, 2014.
- Gorlick, M., Worthy, D.A., Knopik, V.S., McGeary, J.E., Beevers, C.G., & Maddox, W.T. (2014). *DRD4* long allele carriers shown enhanced selective attention to high-priority items in the environment. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, April, 2014.
- Worthy, D.A. (2014). *DRD2* and *COMT* predict rule-based category-learning performance. Invited talk given at Texas Tech University, April, 2014.
- Worthy, D.A. (2014). *DRD2* and *COMT* predict rule-based category-learning performance. Invited talk given to the Behavioral and Cellular Neuroscience Area, April, 2014.
- Byrne, K.A.\*, & Worthy, D.A. (2013). Uncertainty drives exploration during decision-making. Poster presented at the Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada, November, 2013.

- Pang, B.\*, & Worthy, D.A. (2013). Self-control moderates a framing effect in history-dependent decision-making. Poster presented at the Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada, November, 2013.
- Cooper, J.A.\*, Gorlick, M.A., Worthy, D.A., Beevers, C.G., and Maddox, W.T. (2013). Training attention toward positive stimuli improves depressives' reward processing deficits in decision-making. Poster presented at the Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada, November, 2013.
- Byrne, K.A.\*, Worthy, D.A., Cooper, J.A.\*, Kline, A., McGeary, J.A., Beevers, C.G., & Maddox, W.T. (2013). The C957T DRD2 Polymorphism Predicts Decision-Making Performance in the Iowa Gambling Task. Poster presented at the 2013 Annual Convention of the Cognitive Neuroscience Society Annual Convention.
- Worthy, D.A. (2013). Aging and decision-making: The role of frontal compensation and enhanced responsiveness to negative feedback. Poster presented at the 2013 Annual Convention for the International Neuropsychological Society.
- Worthy, D.A. (2012). Choice-history dependent decision-making. Invited colloquium, Department of Psychology, Brown University.
- Worthy, D.A. (2012). Aging and decision-making: The role of frontal compensation and enhanced responsiveness to negative feedback. Invited talk presented at the 2012 ARMADILLO Southwest Cognition Conference.
- Silasi-Mansat, C.\*, & Worthy, D.A. (2012). High-working memory capacity and math ability are associated with a reduced susceptibility to misleading information during decision-making. Poster presented at Texas A&M Psychology Department's poster session. (2<sup>nd</sup> place winner out of 12)
- Silasi-Mansat, C.\*, & Worthy, D.A. (2012). High-working memory capacity and math ability are associated with a reduced susceptibility to misleading information during decision-making. Poster presented at the Annual Meeting of the Psychonomic Society, Minneapolis, Minnesota, November, 2012.
- Carr, T., Ashcraft, M.H., Beilock, S.L., Worthy, D., & Correl, J. (2012). Symposium: Motivations, emotions, and cognition: What am I afraid of, and why does it matter? Invited talk presented at the Annual Meeting of the Psychonomic Society, Minneapolis, Minnesota, November, 2012.
- Worthy, D.A., Gorlick, M.A., Mumford, J., Bakkour, A., Poldrack, R.A., & Maddox, W.T. (2012). Neural correlates of learning models in a dynamic decision-making task. Poster presented at Annual Convention of the Cognitive Neuroscience Society, Chicago, IL, April, 2012.

- Worthy, D.A., Gorlick, M.A., Mumford, J., Bakkour, A., Poldrack, R.A., & Maddox, W.T. (2011). Neural correlates of model-based and model-free learning in a dynamic decision-making environment. Poster presented at the Annual Convention of the Society for Neuroscience, Washington, D.C., November, 2011.
- Worthy, D.A., Otto, A.R., & Maddox, W.T. (2011). Using eligibility traces to model dynamic decision-making data under single and dual task conditions. Poster presented at the Annual Convention of the Psychonomic Society, Seattle, WA, November, 2011.
- Worthy, D.A., Gorlick, M.A., Pacheco, J.L., Schnyer, D.M., & Maddox, W.T. (2011). With Age Comes Wisdom: Age-Based Differences on Choice-Dependent and Choice-Independent Decision-Making Tasks. Poster presented at the Annual Convention of the Cognitive Neuroscience Society, San Francisco, CA, April, 2011.
- Worthy, D.A., Maddox, W.T., & Filoteo, J.V. (2010). Discontinuous Information-Integration Category Structures Lead to Better Retention and Generalization. Poster presented at the Annual Meeting of the Psychonomic Society, St.Louis, MI, November 2010.
- Worthy, D.A. (2010). Choking and Excelling Under Pressure. Invited talk Presented to the Texas A&M Motor Neuroscience Research Group. Texas A&M University, November 2010.
- Worthy, D.A. (2010). Subjective Experiences of Implicit and Explicit Learning. Invited talk presented at Armadillo: The Southwest Cognition Conference, Texas A&M University, October, 2010.
- Worthy, D.A. (2010). Subjective Experiences of Implicit and Explicit Learning. Talk presented at Cognoscenti, Texas A&M University, October 2010.
- Worthy, D.A., & Maddox W.T. (2010). Aging and Decision-Making: Sometimes Older is Wiser. Poster presented at the Annual Convention of the Cognitive Science Society, Portland, OR, August, 2010.
- Worthy, D.A., Chotibut, T.L., Pacheco, J. L., & Maddox W.T. (2010). Aging and Decision-Making: Sometimes Older is Wiser. Poster presented at the Annual Convention of the Cognitive Neuroscience Society, Montreal, CA, April, 2010.
- Worthy, D.A., (2010) Aging and Decision-Making. Talk presented at University of Texas Cognition and Perception Area Seminar. March, 2010. Austin, TX.

- Worthy, D.A. (2009). Motivation and Cognition: From Regulatory Fit to Reinforcement Learning. Talk presented at Texas A&M University. December 4, 2009
- Worthy, D.A., Maddox, W.T. & Markman, A.B. (2009) The Temporal "Sweet-Spot" for Feedback Presentation in Information-Integration Category-Learning. Poster presented at the Annual Meeting of the Psychonomic Society, Boston, MA, November, 2009.
- Worthy, D.A., Maddox, W.T., & Markman, A.B. (2009) Feedback Matters. Effects of Feedback Properties on Category Learning. Talk Presented at the Annual Meeting of the Cognitive Science Society, Amsterdam, NL.
- Worthy, D.A., Pacheco, J., Schnyer, D.M., & Maddox, W.T. (2009) Effects of Aging on Maximizing Rewards and Minimizing Losses in a Choice Task. Poster presented at the Annual Convention of the Cognitive Neuroscience Society, San Francisco, CA, March, 2009.
- Worthy, D.A., Maddox, W.T., & Markman, A.B. (2009) Feedback Matters. Effects of Feedback Properties on Category Learning. Talk Presented at Cognitive Area Seminar, University of Texas at Austin, Department of Psychology, February 20, 2009.
- Worthy, D.A., Maddox, W.T., & Markman (2008) What is Pressure? Evidence for Social Pressure as a Type of Regulatory Focus. Poster presented at 48th Annual Meeting of the Psychonomic Society, Chicago, IL, November, 2008.
- Worthy, D.A., Markman, A.B., & Maddox, W.T. (2008) Lengthening Feedback Intervals Increases Exploitation in Choice Tasks. Poster presented at the Annual Meeting of the Society for Neuroeconomics, Park City, UT, September, 2008.
- Worthy, D.A., Maddox, W.T., & Markman, A.B. (2008). Are Reward Expectancies in Choice Tasks Processed as Ratios or Differences?: Implications for Theories of Reward Processing in the Orbitofrontal Cortex (OFC). Poster presented at the 15<sup>th</sup> Annual Cognitive Neuroscience Society Convention, San Francisco, CA, April, 2008.
- Worthy, D.A., (2008) Processing Expected Reward in Decision-Making Tasks. Talk presented at University of Texas Cognition and Perception Area Seminar. March 21, 2008. Austin, TX.
- Worthy, D.A., Maddox, W.T., & Markman, A.B. (2007). Regulatory Fit Effects in a Gambling Task. Poster presented at the 48th Annual Meeting of the Psychonomic Society, Long Beach, CA, November, 2007.

- Worthy, D.A., Maddox, W.T., & Markman, A.B. (2007). Regulatory Fit Effects in a Gambling Task. Poster presented at the Annual Meeting of the Society for Neuroeconomics, Hull, MA, September, 2007.
- Worthy, D.A., Filoteo, J.V., & Maddox, W.T. (2007). Consolidation and Retention in Procedural-Based Categorization. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York City, NY, May, 2007.
- Worthy, D.A., Maddox, W.T., & Markman, A.B. (2007). Dissociable Effects of Social Pressure on Frontal- and Striatum-Mediated Classification Learning: Choking and Excelling Under Pressure. Poster Presentation. Neural Systems of Social Behavior Conference. May 12, 2007. Austin, TX.
- Worthy, D.A., Maddox, W.T., & Markman, A.B. (2006). Choking and Excelling Under Pressure in Novices and Experts. Poster Presentation. 45<sup>th</sup> Annual Meeting of the Psychonomic Society. November 17, 2006. Houston, TX.
- Worthy, D.A., (2006) Choking and Excelling Under Pressure in Novices and Experts. Talk presented at University of Texas Cognition and Perception Area Seminar. November 10, 2006. Austin, TX.
- Bink, M. L., Clark, M., Dailey, S. B., & Worthy, D.A. (2004) Prospective Memory Depends on Cue-Action Contingencies. Talk presented at 45<sup>th</sup> Annual Meeting of the Psychonomic Society. November 18, 2004. Minneapolis, MN.

### **TEACHING EXPERIENCE**

- May 2016 Instructor – Short course on Bayesian Data Analysis given to faculty and graduate student, Texas A&M University.
- Beginning in the 2012-2013 year I have taught graduate student courses on ANOVA (Fall term) and Regression (Spring term). These courses have included consulting with students and faculty on their research designs and plans for data analysis. Beginning Fall 2017 these courses will cover Bayesian approaches to using the General Linear Model to analyze data.
- Summer 2012 Instructor – (PSYC 345; 9 Students Enrolled) Human Cognitive Processes, Texas A&M University (Overall Mean Rating: 4.88/5)
- Spring 2012 Instructor – (PSYC 689; 10 Students Enrolled) Graduate Seminar in Decision-Making, Texas A&M University (Overall Mean Rating: 4.89/5)
- Fall 2011 Instructor – (PSYC 204; 108 Students Enrolled) Experimental Methods, Texas A&M University (Overall Mean Rating: 4.48/5)
- Spring 2011 Instructor – (PSYC 203; 103 Students Enrolled) Introduction to Statistics, Texas A&M University (Overall Mean Rating: 4.34/5)
- Spring 2011 Lab Instructor – (PSY 418; 20 Students Enrolled) Undergraduate Statistics and Research Design Course, University of Texas at Austin (Overall Mean Rating: 4.6)
- Fall 2008 Teaching Assistant – (PSY 338K; Student Enrollment Data Unavailable) Psychology of Reading, University of Texas at Austin (Not Evaluated)

### Graduate Student Supervision

Dong-Yu Yang (Fall 2017 -  
Astin Cornwall (Fall 2016 -  
Kaileigh Byrne (Fall 2012 - 2017) Assistant Professor of Psychology, Clemson  
University  
Bo Pang (Fall 2012 - 2017) Earning additional PhD., UCLA  
Crina Silasi-Mansat (Fall 2011 - 2015) Assistant Professor of Psychology, Stephens  
College)  
Jessica Cooper (Fall 2011- 2016 ) Co-advised with W. Todd Maddox (primary  
adviser) post-doc at Emory)

### Undergraduate Research Supervision

Fall 2014 Research (PSY 485) – Seven students; Research thesis (PSY 491) – two  
students  
Summer 2014 Research (PSY 485) – Two students; Research Thesis (PSY 491) – One  
student.  
Spring 2014 Research (PSY 485) – Eight students; Research Thesis (PSY 491) – three  
students.  
Fall 2013 Research (PSY 485) – Eight students; Research Thesis (PSY 491) – One  
student.  
Summer 2013 Research (PSY 485) – Two students; Research Thesis (PSY 491) – One  
student.  
Spring 2013 Research (PSY 485) – Eleven students; Research Thesis (PSY 491) – One  
student; Lab Volunteers – One student.  
Fall 2012 Research (PSY 485) – Eight students; Lab Volunteers – Two students  
Spring 2012 Research (PSY 485) – Nine students; Research Thesis (PSY 491) – Two  
Students; Lab Volunteers – Two students.  
Fall 2011 Research (PSY 485) – Four students; Lab Volunteers - Three Students  
Summer 2011 Research (PSY 485) – Three students; Lab Volunteers - Two Students  
Spring 2011 Research (PSY 485) – Three students; Lab Volunteers - Two Students

### **DEPARTMENTAL COMMITTEE SERVICE**

9/2016 – Area head of Cognition and Cognitive Neuroscience

6/2014 - Search committee co-chair for junior level search in Neuroscience with  
specialization in fMRI experimental design and analysis, Department of  
Psychology & College of Liberal Arts, Texas A&M University.

8/2013 - Search committee co-chair for senior level search in Neuroscience with  
specialization in fMRI, Department of Psychology & College of Liberal Arts,  
Texas A&M University.

8/2013 – 5/2014 Search committee member for senior level search in Personality Psychology, Department of Psychology & College of Liberal Arts, Texas A&M University.

9/2012 - fMRI Acquisition Advisory Committee, Department of Psychology & College of Liberal Arts, Texas A&M University.

8/2010 - Graduate Studies Committee, Department of Psychology, Texas A&M University

## **GRADUATE STUDENT COMMITTEE SERVICE**

Kaileigh A. Byrne (Ph.D.; Texas A&M University, Psychology *Committee Chair*)  
Bo Pang (Ph.D.; Texas A&M University, Psychology *Committee Chair*)  
Laura Osborne (Masters; Texas A&M University, Psychology)  
Brent Furl (Ph.D.; Texas A&M University, Psychology)  
Fenan Rassu (Ph.D.; Texas A&M University, Psychology)  
Ross Deforrest (Ph.D.; Texas A&M University, Psychology)  
Kunchen Xiao (Ph.D.; Texas A&M University, Psychology)  
Jessica Cooper (Ph.D.; University of Texas at Austin, Psychology)  
Kathleen E. Darbor (Ph.D.; Texas A&M University, Psychology)  
Crina Silasi-Mansat (Ph.D.; Texas A&M University, Psychology *Committee Chair*)  
David Tang (PhD.; Texas A&M University, Psychology)  
Genna M. Angello (Ph.D.; Texas A&M University, Psychology, Received Summer 2014)  
Jarid Goodman (Ph.D.; Texas A&M University, Psychology)  
Caitlin L. Fissette (Ph.D.; Texas A&M University, Psychology, Received Summer 2014)  
Deborah Lowe (Masters; Texas A&M University, Psychology, Received Fall 2012)  
Genna M. Angello (Masters; Texas A&M University, Psychology, Received Summer 2011)  
Rachel Berman (PhD.; University of Texas at Austin, Psychology, Received Summer 2013)  
Sarah A. Flores (PhD.; Texas A&M University, Psychology)

## **MEDIA COVERAGE**

*Boston Globe*  
*Huffington Post*  
*The Telegraph U.K.*  
*Psychology Today*  
*Psych Central*  
*Futurity.org*  
*Smart Planet*  
*Life After 50*  
*First Science*  
*Media Newswire*  
*Seniors World Chronicle*

*TS-Si*  
*MedicalXpress*  
*Texas A&M Press Service*