

**David J. Cox, Ph.D., M.S.B., BCBA-D**

Behavioral Pharmacology Research Unit  
Department of Psychiatry and Behavioral Sciences  
Johns Hopkins University School of Medicine  
5510 Nathan Shock Drive, Suite 3000  
Baltimore, MD 21224

**BOARD CERTIFICATIONS & LICENSES**

*Licensed Behavior Analyst*

State of Texas; License #2183

*Board Certified Behavior Analyst-Doctoral (BCBA-D)*

Board examination passed September 27<sup>th</sup>, 2011

Doctoral designation received October 18<sup>th</sup>, 2019

**EDUCATION**

Postdoctoral Research Fellowship, Johns Hopkins University School of Medicine (2020)

Areas of Specialization: Behavioral Economics, Computational Behavior Analysis,  
Behavioral Pharmacology

Postdoctoral Fellowship, Insight Data Science Fellows Program 2020 [*forthcoming*]

Ph.D. Psychology, University of Florida (2018)

Area of Specialization: Behavior Analysis

M.S. Bioethics, Icahn School of Medicine & Union Graduate College (2010)

Area of Specialization: Clinical Ethics

Post Graduate Certificate in Applied Behavior Analysis, University of North Texas (2011)

B.S. Psychology, Arizona State University, Tempe, AZ (2008)

Areas of Concentration: Mental Health and Personality

**ACADEMIC APPOINTMENTS**

Johns Hopkins University: Baltimore, MD

July 2018 – present

*Postdoctoral Research Fellow*

*Behavioral Pharmacology Research Unit,*

*Department of Psychiatry and Behavioral Sciences*

*School of Medicine*

**MAJOR RESEARCH INTERESTS**

- human laboratory studies on choice, preference, and decision making;
- mathematical and computational models of operant behavior; behavioral economics;
- interaction of verbal and non-verbal behavioral contingencies;
- naturalistic approaches to ethical behavior;
- data science and artificial intelligence as tools for improving health behavior

**PEER REVIEWED PUBLICATIONS**(\*student mentee)**Published/In Press/Accepted**

21. **Cox, D.J.**, Dolan, S.B., Johnson, P, Johnson, M.W. (*accepted*). Delay and probability discounting in cocaine use: Comprehensive examination of money, cocaine, and health outcomes using gains and losses at multiple magnitudes. *Experimental and Clinical Psychopharmacology*.
20. **Cox, D.J.** (2019). The many functions of quantitative modeling. *Computational Brain & Behavior*, 2(3-4), 166-169. doi:10.1007/s42113-019-00048-9
19. Barlow, M.A., Villegas, A., & **Cox, D.J.** (2019). Still lost in translation. *Intellectual and Developmental Disabilities*, 57, 339-340. doi:10.1352/1934-9556-57.4.339
18. Brodhead, M.T., Truckenmiller, A.J., **Cox, D.J.**, Della Sala, M.R., Yough, M., & Hartzheim, D.U. (2019). A multidisciplinary replication of Upper's (1974) unsuccessful self-treatment of writer's block. *Behavior Analysis in Practice*, 12, 547-547. doi:10.1007/s40617-018-00290-w
17. **Cox, D.J.** (2019). Ethical considerations in interdisciplinary treatments. In R.D. Rieske (Ed.), *Handbook of Interdisciplinary Treatments for Autism Spectrum Disorder* (pp. 49-61). Springer Publishing.
16. Quigley, S.P., Blevins, P.R., **Cox, D.J.**, Brodhead, M.T., & Kim, S. Y. (2019). An evaluation of explicit ethical statements in telehealth research with individuals with Autism Spectrum Disorders. *Behavior Analysis: Research & Practice*, 19, 123-135. doi:10.1037/bar0000094
15. **Cox, D.J.**, Bolívar, H., & Barlow, M.A. (2019). Multiple control responses and resurgence of human behavior. *Behavioural Processes*, 159, 93-99. doi:10.1013/j.beproc.2018.12.003
14. **Cox, D.J.**, & Dallery, J. (2018). Verbal behavior and risky choice in humans: Exploring the boundaries of the description-experience gap. *Behavioural Processes*, 157, 301-308 doi:10.1016/j.beproc.2018.09.002
13. Fernand, J.K., \*Amanieh, H., **Cox, D.J.**, & Dorey, N.R. (2018). Any reward will do: Effects of reversed contingencies on size preference with pet dogs (*Canis lupus familiaris*). *Learning & Behavior*, 46, 472-478. doi:10.3758/s13420-018-0343-0
12. Dorey, N.R., & **Cox, D.J.** (2018). Function matters: A review of terminological differences in applied and basic clicker training research. *PeerJ*. doi:10.7717/peerj.5621
11. **Cox, D.J.**, Villegas, A., & Barlow, M.A. (2018). Lost in translation: A reply to Shyman (2016). *Intellectual and Developmental Disabilities*, 56, 278-286. doi:10.1352/1934-9556-56.5.278
10. \*Miranda, M., \*Drabek, A., & **Cox, D.J.** (2018). Further comparison of 5-trial adjusting delay and probability tasks over a wide range of amounts. *Behavioural Processes*, 157, 7-10. doi:10.1016/beproc.2018.08.004
9. **Cox, D.J.**, & Dallery, J. (2018). Influence of second outcome on monetary discounting. *Behavioural Processes*, 153, 84-91. doi:10.1016/j.beproc.2018.05.012
8. Brodhead, M.T., Quigley, S.P., & **Cox, D.J.** (2018). How to identify ethical practices in organizations prior to employment. *Behavior Analysis in Practice*, 11, 165-173. doi:10.1007/s40617-018-0235-y

7. Bolívar, H., **Cox, D.J.**, Barlow, M.A., & Dallery, J. (2017). Evaluating resurgence procedures in a human operant laboratory. *Behavioural Processes*, 140, 150-160. doi:10.1016/j.beproc.201.05.004
6. **Cox, D.J.**, Sosine, J., & Dallery, J. (2017). Application of the matching law to pitch selection in professional baseball. *Journal of Applied Behavior Analysis*, 50, 393-406. doi:10.1002/jaba.381
5. Bialaszek, W., Marcowski, P., & **Cox, D.J.** (2017). Differences in delay, but not probability, discounting in smokers, never smokers, and current e-cigarette users. *The Psychological Record*, 67, 223-230. doi:10.1007/s40732-017-0244-1
4. **Cox, D.J.** (2016). Developing coalitions for effective action: *The Five Horsemen of the Modern World: Climate, Food, Water, Disease, and Obesity*. By, Daniel Callahan. *Behavior and Social Issues*, 25, 99-102. doi:10.5210/bsi.v.25i0.6871
3. **Cox, D.J.**, & Dallery, J. (2016). Effects of delay and probability combinations on discounting in humans. *Behavioural Processes*, 131, 15-23. doi:10.1016/j.beproc.2016.08.002
2. **Cox, D.J.** (2016). A brief overview of within-subject experimental design logic for individuals with ASD. *Journal of Autism & Related Disabilities*, 2, 3, 1025-1030.
1. **Cox, D.J.** (2012). From Interdisciplinary to Integrated Care of the Child with Autism: The Essential Role for a Code of Ethics. *Journal of Autism and Developmental Disorders*, 42, 2729-2738. doi:10.1007/s10803-012-1530-z

### In Review

- Cox, D.J.** (*in review*). A guide to establishing ethics committees. *Behavior Analysis in Practice*.
- Cox, D.J.**, & Johnson, M.W. (*in review*). Predicting behavior-altering psychedelic experiences: Natural Language Processing of psychedelic session narratives. *Journal of Psychopharmacology*.
- Laureano, B., DeLeon, I.G., & **Cox, D.J.** (*in review*). Prior exposure to extinction attenuates resurgence: A human operant evaluation. *Journal of the Experimental Analysis of Behavior*.
- Cox, D.J.**, & Brodhead, M.T. (*in review*). Visual analysis with dynamic data sets and changing data accuracy. *Behavior Modification*.
- Białaszek, W., Marcowski, P., & **Cox, D.J.** (*in review*). A comprehensive comparison of models for gain and loss discounting of delayed lotteries. *PLoS ONE*.
- Cox, D.J.**, Losee, J., & Webster, G. (*in review*). Discounting under threat of severe weather. *Journal of the Experimental Analysis of Behavior*.
- Wongsomboon, Val, & **Cox, D.J.** (*in review*). Sexual arousal discounting: Devaluing condom-protected sex due to reduced arousal. *Archives of Sexual Behavior*.
- Standridge, R, & **Cox, D.J.** (*in review*). Human impulsive and risky choice in positive- and negative-earnings budgets. *Behavioral Ecology*.

### Revise & Resubmit

- Cox, D.J.** (*in revision*). Functional ethics: Complexity in need of data. *Behavior Analysis in Practice*.

**In-Preparation from Completed Data Sets**

Berry, M.S., Dolan, S.B., *Cox, D.J.*, & Johnson, M.W. (*in prep*). Systematic review of sexual discounting research: Methodology and findings. *Journal of Psychopharmacology*.

*Cox, D.J.*, & Johnson, M.J. (*in prep-a*). Can a single model describe discounting across amounts, signs, and commodities? A quantitative and machine-learning attempt. *Journal of the Experimental Analysis of Behavior*.

*Cox, D.J.*, & Johnson, M.W. (*in prep-b*). Public health messaging and cannabis co-consumption with alcohol and tobacco. *Journal of Psychopharmacology*.

*Cox, D.J.*, Quigley, S.P., & Brodhead, M.T. (*in prep*). Describing the ethical decision-making landscape in an applied clinical setting. *Behavior Analysis in Practice*.

**BOOK**

Brodhead, M.T., *Cox, D.J.*, & Quigley, S.P. (2018). Practical ethics for effective treatment of Autism Spectrum Disorder. Elsevier Inc.: Cambridge, MA. ISBN:9780128140987

**RESEARCH SUPPORT****External – Funded** (Total: \$560,258)

NIH/NIDA. Human Behavioral Pharmacology and Substance Abuse. Award ID: 5T32DA007209-36. P.I. Bigelow, G.E. Role: Postdoctoral Research Fellow. \$145,296.

National Science Foundation. Extreme Weather Events and Individual Differences in Threat Perception and Behavior. Award ID: 1635943. PI: Webster, G.W. Role: Graduate Researcher. \$414,962.

**External – Applied, Not Funded** (Total: \$304,000)

Greenwall Foundation. Development and Evaluation of an Ethical Decision-Making Model within the Practice of Behavior Analysis. PIs: Graber, A; & Luiselli, J. Role: Consultant. \$300,000.

Russell Sage Foundation Behavioral Economics Small Awards Program. Human impulsive and risky choice in positive- and negative-earning budgets. PI: Dallery, J. Co-PI: *Cox, D.J.* \$4,000.

**External – Applied** (Total: \$1,971,675)

National Institute of Health. Greenwashing cigarettes: Perceptual and behavioral evidence of inaccurate modified risk advertising. Application Number: 1R01DA049814-01. PIs: Johnson, MW; Moran, MB. Role: Postdoctoral Researcher. \$1,473,750

National Science Foundation. Leveraging Virtual Reality and Behavioral Science in an Anti-WEIRD Search for Universal Principles of Culture. PIs: Silbaugh, B; Quarles, J. Role: Consultant. \$497,925

**HONORS AND AWARDS** (Total: \$4,850)

National Institute on Alcohol Abuse and Alcoholism APA Travel Award (2019). \$750

Psychology Pioneer Award (2017). \$1000

*Conferred annually to recognize outstanding academic performance and promise in the conduct of research in the science of psychology.*

Gerber Behavior Analysis Psychology Research Award (2017). \$1000

*Conferred annually upon a doctoral student in recognition of outstanding merit in contributing to the area of Behavior Analysis.*

University of Florida Graduate Student Council Travel Grant (2017). \$350

University of Florida Center for Addiction Research & Education Travel Award (2017). \$500

University of Florida College of Liberal Arts & Sciences Travel Award (2016). \$250

University of Florida Psychology Department Travel Award (2016). \$500

University of Florida Psychology Department Travel Award (2015). \$500

## PUBLISHED OPEN SOURCE CODE

**Cox, D.J.** (2019). Natural language processing for the book *Verbal Behavior: Exploratory analyses*. [Source Code]. [https://github.com/davidjcox333/NLP\\_for\\_VerbalBehavior](https://github.com/davidjcox333/NLP_for_VerbalBehavior)

**Cox, D.J.** (2019). How many types of discounting: Unsupervised machine learning python script. (Version 0.0.1) [Source code]. <https://doi.org/10.5281/zenodo.256915>

**Cox, D.J.** (2017). Description vs. experience visual basic source code (Version 1.0.0) [Source code]. <https://doi.org/10.5281/zenodo.556737>

**Cox, D.J.** (2016). Resurgence procedure: Target, alternative, and control response (Version 1.0.0) [Source code]. <https://github.com/BHAT-RC/resurgence>.

## INVITED TALKS

- |      |                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020 | 4 <sup>th</sup> Annual Behavior Analyst Leadership Council Annual Conference<br>Title: <i>Big data and ABA: Possibilities and Ethical Use</i> [forthcoming]                                                    |
| 2020 | California Association for Behavior Analysis 38 <sup>th</sup> Annual Western Regional Conference on Behavior Analysis<br>Title: <i>Ethical Decision-Making: Theory, Research, &amp; Practice</i> [forthcoming] |
| 2019 | Michigan State University College of Education<br>Title: <i>Discounting: How, What, and Why?</i>                                                                                                               |
| 2019 | Kadiant; Continuing Education Expert Speaker Series<br>Title: <i>Understanding Contingencies in Interdisciplinary Collaboration</i>                                                                            |
| 2019 | Kadiant; Continuing Education Expert Speaker Series<br>Title: <i>Ethical Decision-Making in Daily Practice</i>                                                                                                 |
| 2019 | Nevada Association for Behavior Analysis (NABA)<br>Title: <i>Behavior Analysts as the Ultimate Team Player: Understanding Contingencies in Interdisciplinary Collaboration</i>                                 |

- 2019      Kadiant; BACB Type II CEU Event  
            Title: *A Guide to Establishing Ethics Committees*
- 2019      Kadiant; BACB Type II CEU Event  
            Title: *Scope of Competence in Applied Behavior Analysis*
- 2019      University of Oklahoma; Summer Speaker Series  
            Title: *Applied Behavior Analysis in Substance Abuse & Health Behavior*
- 2019      Association for Behavior Analysis International Annual Convention  
            Title: *Navigating Dual Relationships in Graduate School & Ethical Considerations.*
- 2019      Association for Behavior Analysis International Annual Convention  
            Title: *Supplementing Clinical Intelligence with Artificial Intelligence*
- 2019      Melmark Pennsylvania; BACB Type II CEU Event  
            Title: *Exploring Ethical Decision-Making*
- 2019      SPG Behavior Intervention Services; BACB Type II CEU Event  
            Title: *Ethics & Interdisciplinary Collaboration in ABA*
- 2018      Van Loan School at Endicott College  
            Title: *A Primer on Behavioral Pharmacology*
- 2018      Van Loan School at Endicott College  
            Title: *Quantitative Analyses and Applied Behavior Analysis*
- 2018      Michigan State University College of Education  
            Title: *Discounting: What it is and why we care.*
- 2018      National Institute on Drug Abuse; Clinical Pharmacology & Therapeutics  
Research Branch  
            Title: *Discounting Multiple Delayed and Probabilistic Outcomes*
- 2018      Annual Michigan Autism Conference; BCAB Type II CEU Event  
            Title: *Practical Ethics for Effective Treatment of ASD*
- 2018      Annual Michigan Autism Conference; BACB Type II CEU Event  
            Title: *Clinical Decision Making in ABA*
- 2018      Florida Governor's Hurricane Conference  
            Title: *Severe Weather & Decision Making*
- 2017      Michigan State University College of Education  
            Title: *Application of Matching Law to Naturally Occurring Behavior*

#### **INTERNATIONAL & NATIONAL PRESENTATIONS (^invited talk, \*poster, \*\*student mentee)**

50.    **Cox, D.J.**, & Johnson, M.W. (2020). Health messaging and cannabis co-consumption with alcohol and tobacco. American Psychological Association (APA) Annual Convention. Washington, D.C. (*forthcoming*)

49. Lee, D.C., **Cox, D.J.**, Vandrey, R.G. (2020). Characteristics of cigarette use among adults enrolled in treatment for cannabis use disorder. The College on Problems of Drug Dependence (CPDD) 82<sup>nd</sup> Annual Scientific Meeting. Hollywood, FL. (*forthcoming*)
48. Johnson, M.W., Dolan, S.B., **Cox, D.J.**, Strickland, J.C., & Berry, M.S. (2020). Reduced-nicotine cigarettes: Behavioral-economics of operant reinforcement. Association for Behavior Analysis International (ABAI) Annual Convention. Washington D.C. (*forthcoming*)
47. **Cox, D.J.**, Quigley, S.P., & Brodhead, M.T. (2019). Evaluations of ethical perceptions in Applied Behavior Analysis. Association for Behavior Analysis International (ABAI) Annual Convention. Washington D.C. (*forthcoming*)
46. <sup>^</sup>**Cox, D.J.** (October, 2019). Understanding contingencies in interdisciplinary collaboration. Radiant Continuing Education Expert Speaker Series. Atlanta, GA.
45. <sup>^</sup>**Cox, D.J.** (October, 2019). Ethical decision-making: Theory, research, and practice. Radiant Continuing Education Expert Speaker Series. Atlanta, GA.
44. Dolan, S.B., Weiger, C, **Cox, D.J.**, Johnson, M.W., & Moran, M.B. (October, 2019). Novel tobacco advertisement methods make cigarettes more inelastic in young smokers. Tobacco Regulatory Science Meeting. Washington, DC.
43. <sup>^</sup>**Cox, D.J.** (August, 2019). Scope of competence in Applied Behavior Analysis. Radiant CEU Event. Walnut Creek, CA.
42. **Cox, D.J.**, Garcia-Romeu, A., Davis, A.K., Griffiths, R.R., & Johnson, M.W. (August, 2019). Psychedelic assisted addiction recovery: Using machine learning to understand who might benefit and why. American Psychological Association (APA) Annual Convention. Chicago, IL.
41. **Cox, D.J.**, Dolan, S.B., Johnson, P.S., & Johnson, M.W. (August, 2019). A comprehensive examination of delay and probability discounting processes in cocaine use. American Psychological Association (APA) Annual Convention. Chicago, IL.
40. **Cox, D.J.**, Dolan, S.B., Johnson, P.S., & Johnson, M.W. (June, 2019). Gain and loss discounting of money, cocaine, and health outcomes in current and never-before cocaine users. The College on Problems of Drug Dependence (CPDD) 81<sup>st</sup> Annual Scientific Meeting. San Antonio, TX.
39. Johnson, M.W., Dolan, S.B., Berry, M.S., & **Cox, D.J.** (June, 2019). Reduced-nicotine cigarettes: Behavioral-economics of operant reinforcement. The College on Problems of Drug Dependence (CPDD) 81<sup>st</sup> Annual Scientific Meeting. San Antonio, TX.
38. <sup>^</sup>**Cox, D.J.** (May, 2019). Supplementing clinical intelligence with artificial intelligence. Association for Behavior Analysis International (ABAI) Annual Convention. Chicago, IL.
37. **Cox, D.J.**, Dolan, S.D., Griffiths, R.R., & Johnson, M.W. (May, 2019). Psilocybin and social behavior. Association for Behavior Analysis International (ABAI) Annual Convention. Chicago, IL.
36. <sup>\*</sup>**Cox, D.J.**, Johnson, P.S., & Johnson, M.W. (May, 2019). Using quantitative models and machine learning to describe discounting across amounts, signs, and commodities. Association for Behavior Analysis International (ABAI) Annual Convention. Chicago, IL.

35. Wongsomboon, V., & **Cox, D.J.** (May, 2019). Sexual “arousal” discounting: Devaluation of condom-protected sex as a function of reduced arousal. Association for Behavior Analysis International (ABAI) Annual Convention. Chicago, IL.
34. Barlow, M.A., **Cox, D.J.**, & Dallery, J. (May, 2019). Effects of economic context on discounting. Association for Behavior Analysis International (ABAI) Annual Convention. Chicago, IL.
33. **Cox, D.J.** (May, 2019). Symposium Chair. Advances in discounting methods, understanding, and analytic techniques. Association for Behavior Analysis International (ABAI) Annual Convention. Chicago, IL.
32. **Cox, D.J.** (May, 2019). Navigating dual relationships in graduate school and ethical considerations. Association for Behavior Analysis International (ABAI) Annual Convention. Chicago, IL.
31. **Cox, D.J.**, Johnson, P.S., & Johnson, M.W. (May, 2019). Quantitative and machine-learning attempts to describe discounting across multiple tasks with a single equation. Society for the Quantitative Analyses of Behavior (SQAB) Annual Convention. Chicago, IL.
30. **Cox, D.J.**, Dolan, S.D., Berry, M.S., & Johnson, M.W. (February, 2019). Independent and combined influence of episodic future thinking and graphic warning labels on discounting and hypothetical cigarette purchasing. Society for Research on Nicotine and Tobacco (SRNT) Annual Meeting. San Francisco, CA.
29. **Dolan, S.D.**, Berry, M.S., **Cox, D.J.**, & Johnson, M.W. (February, 2019). Abuse liability of reduced-nicotine content cigarettes: A behavioral economic analysis. Society for Research on Nicotine and Tobacco (SRNT) Annual Meeting. San Francisco, CA.
28. Laureano, B., **Cox, D.J.**, & DeLeon, I.G. (May, 2018). Evaluating the role of extinction in a human operant model of resurgence. Association for Behavior Analysis International (ABAI) Annual Convention. San Diego, CA.
27. Bolivar, H., **Cox, D.J.**, & Dallery, J. (May, 2018). Effects of instructions and dense versus lean alternative reinforcement on resurgence. Association for Behavior Analysis International (ABAI) Annual Convention. San Diego, CA.
26. **Barlow, M.A.**, **Cox, D.J.**, & Dallery, J. (May, 2018). Effects of relative magnitude in probability discounting. Association for Behavior Analysis International (ABAI) Annual Convention. San Diego, CA.
25. **Wongsomboon, V.**, & **Cox, D.J.** (March, 2018). Your pleasure does matter: Devaluation of safe sex as a function of reduced partner arousal by condom use. Society of Personality and Social Psychology (SPSP) Annual Conference. Atlanta, GA.
24. **Cox, D.J.**, & Dallery, J. (May, 2017). Verbal behavior and risky choice in humans. Association for Behavior Analysis International (ABAI) Annual Convention. Denver, CO.
23. Bolivar, H., **Cox, D.J.**, Barlow, M.A., & Dallery, J. (May, 2017). Evaluating resurgence procedures in a human operant laboratory. Association for Behavior Analysis International (ABAI) Annual Convention. Denver, CO.



22. **Cox, D.J.** (May, 2017). Symposium Chair. On using modern technology along the basic and applied research continuum: Why and how technology can be used in your research. Association for Behavior Analysis International (ABAI) Annual Convention. Denver, CO.
21. **Cox, D.J.** (May, 2017). Python, Big Data, & Behavior Analysis. Association for Behavior Analysis International (ABAI) Annual Convention. Denver, CO.
20. \*Barlow, M.A, Villegas, A.C., & **Cox, D.J.** (May, 2017). Responding to mischaracterizations of behavior analysis. Association for Behavior Analysis International (ABAI) Annual Convention. Denver, CO.
19. \*Fernand, J.K., Bolivar, H.A., **Cox, D.J.**, Mathison, S.J., & Vollmer, T.R. (May, 2017). An analysis of the ethical infractions resolved by the BACB. Association for Behavior Analysis International (ABAI) Annual Convention. Denver, CO.
18. \*\*Amanieh, H., Fernand, J. K., **Cox, D.J.**, & Dorey, N.R. (April, 2017). Any reward will do: Effects of reversed contingencies on size preference with pet dogs (*canis lupus familiaris*).24<sup>th</sup> International Conference on Comparative Cognition. Melbourne Beach, FL.doi:10.13140/RG.2.2.22284.36487
17. Webster, G., Losee, J.E., & **Cox, D.J.** (March, 2017). Individual differences in delayed and probabilistic discounting of hurricane preparation. International Convention of Psychological Science. Vienna, Austria.
16. \*Losee, J.E., & **Cox, D.J.** (November, 2016). Discounting the threat of a hurricane. Society for Judgment and Decision Making Annual Conference. Boston, MA.
15. **Cox, D.J.**, & Dallery, J. (May, 2016). Toward a method for measuring the influence of multiple outcomes on discounting. Association for Behavior Analysis International (ABAI) Annual Convention. Chicago, IL.
14. \*Martner, S., **Cox, D.J.**, & DeLeon, I.G. (May, 2016). Certificants' reports of contact with literature and continuing education. Association for Behavior Analysis International (ABAI) Annual Convention. Chicago, IL.
13. \*Stedman-Falls, L.M., Barlow, M.A., & **Cox, D.J.** (May, 2016). ABA online: a review of applied behavior analysis interventions implemented via the internet. Association for Behavior Analysis International (ABAI) Annual Convention. Chicago, IL.
12. \*Losee, J., & **Cox, D.J.** (November, 2015). Discounting and decision making under hurricane threat. Society for Judgment and Decision Making Annual Conference. Chicago, IL.
11. **Cox, D.J.** (May, 2015). Application of the generalized matching law to pitch selection in professional baseball. Association for Behavior Analysis International (ABAI) Annual Convention. San Antonio, TX.
10. \***Cox, D.J.** (May, 2015). Extending the validity of discounting tasks measuring half-amounts. Society for the Quantitative Analysis of Behavior Annual Symposia. San Antonio, TX.
9. **Cox, D.J.** (May, 2014). Strategies for tacting and responding to mands for cultural sensitivity emitted by clients. Association for Behavior Analysis International (ABAI) Annual Convention. Chicago, IL.

8. **Cox, D.J.** (May, 2013). Metaethics, behavior analysis, and the route to professionalization. Association for Behavior Analysis International (ABAI) Annual Convention. Minneapolis, MN.
7. **\*Cox, D.J.** (January, 2013). Differential negative reinforcement in treatment of severe aggression in an 11 year-old boy with autism. Association for Behavior Analysis International (ABAI) Annual Autism Conference. Portland, OR.
6. **Cox, D.J.** (May, 2012). Ethical decision making within applied behavior analysis. Association for Behavior Analysis International (ABAI) Annual Convention. Seattle, WA.
5. **Cox, D.J., & Gearhard, A.K.** (April, 2011). Behaviorism: integrating disciplines within an interdisciplinary paradigm. Pacific Rim International Conference on Disabilities, Honolulu, HI.
4. **Cox, D.J.** (April, 2010). Evidenced based efficacy of the interdisciplinary intervention model. Pacific Rim International Conference on Disabilities, Honolulu, HI.
3. **\*Cox, D.J.** (April, 2010). Intellectual responsibilities of the interdisciplinary intervention therapists. Pacific Rim International Conference on Disabilities, Honolulu, HI.
2. **\*Cox, D.J.** (April, 2010). Parental involvement in behavioral therapy for children with autism: a manner for etiquette, ethics, regulation, or law? Pacific Rim International Conference on Disabilities. Honolulu, HI.
1. **Cox, D.J.** (May, 2009). The world is my classroom: an interdisciplinary approach to teaching play & leisure skills in ASD. Pacific Rim International Conference on Disabilities. Honolulu, HI.

#### REGIONAL AND STATE PRESENTATIONS (*^invited talk, \*poster, \*\*student mentee*)

23. **^Cox, D.J.** (April, 2020). Big data and ABA: Possibilities and ethical use. 4<sup>th</sup> Annual Behavior Analysis Leadership Council Annual Conference. Boston, MA. [*forthcoming*]
22. **^Cox, D.J.** (March, 2020). Ethical behavior: Functional analysis of *what* and *why*. California Association for Behavior Analysis 38<sup>th</sup> Annual Western Regional Conference. Santa Clara, CA. [*forthcoming*]
21. **^Cox, D.J.** (October, 2019). Behavior analysts as the ultimate team player: Understanding contingencies in interdisciplinary collaboration. Workshop at the Nevada Association for Behavior Analysis Annual Conference. Reno, NV.
20. **\*Cox, D.J., & Johnson, M.W.** (October, 2019). Predicting who quits: Natural Language Processing of psychedelic session narratives. Nevada Association for Behavior Analysis Annual Conference. Reno, NV.
19. **^Cox, D.J.** (August, 2019). Applied Behavior Analysis in substance abuse and health behavior. University of Oklahoma. Norman, OK.
18. **^Cox, D.J.** (January, 2019). Exploring Ethical Decision-Making. Melmark Pennsylvania Speaker Series. Berwyn, PA.
17. **^Cox, D.J.** (January, 2019). Interdisciplinary collaboration in Applied Behavior Analysis. SPG Behavior Intervention Services CEU Event. Contra Costa, CA.

16. ^Brodhead, M., **Cox, D.J.**, & Quigley, S. (October, 2018). Practical ethics for effective treatment of Autism Spectrum Disorder. Workshop at Michigan Autism Conference. Kalamazoo, MI.
15. ^**Cox, D.J.** (October, 2018). Clinical decision making in applied behavior analysis. Michigan Autism Conference. Kalamazoo, MI.
14. Laureano, B., **Cox, D.J.**, & DeLeon, I.G. (September, 2018). Evaluating the role of extinction in a human operant model of resurgence. Florida Association for Behavior Analysis (FABA) Annual Conference. San Diego, CA.
13. ^**Cox, D.J.** (May, 2018). Discounting severe weather. 32<sup>nd</sup> Annual Governor's Hurricane Conference. West Palm Beach, FL.
12. \***Cox, D.J.**, Bolívar, H.A., Barlow, M.A., & Dallery, J. (April, 2018). Testing the validity of nonhuman resurgence models with human responding. Fifth Annual CARE Symposium. Gainesville, FL.
11. \***Cox, D.J.**, & Dallery, J. (October, 2017). Manipulating human risky and impulsive behavior in positive- and negative-energy budgets. Southeastern Association for Behavior Analysis Annual Conference. Savannah, GA.
10. \*Laureano, B., **Cox, D.J.**, & DeLeon, I.G. (October, 2017). Evaluating the role of extinction in a human operant model of resurgence. Southeastern Association for Behavior Analysis Annual Conference. Savannah, GA.
9. \*\*Amanieh, H., Fernand, J.K., **Cox, D.J.**, & Dorey, N.R. (October, 2017). Effects of reversed contingencies on size preference with dogs (*Canis lupus familiaris*). Paper presented at the 37<sup>th</sup> Annual Florida Association for Behavior Analysis. Daytona Beach, FL.
8. \***Cox, D.J.**, & Dallery, J. (April, 2017). Measuring human risky and impulsive behavior in positive- and negative-energy budgets. Fifth Annual CARE Symposium. Gainesville, FL.
7. \***Cox, D.J.**, & Dallery, J. (April, 2017). Quantifying the influence of multiple outcomes on discounting in humans. Fifth Annual CARE Symposium. Gainesville, FL.
6. \*Bolívar, H., **Cox, D.J.**, Barlow, M.A., & Dallery, J. (April, 2017). Evaluating resurgence procedures in a human operant laboratory. Fifth Annual CARE Symposium. Gainesville, FL.
5. **Cox, D.J.** (September, 2016). Philosophical Premises for the BACB Ethics & Compliance Code. New Mexico Association for Behavior Analysis – Type II BACB CEUs. Albuquerque, NM.
4. \*Fernand, J.K., Bolívar, H.A., **Cox, D.J.**, Mathison, S.J., & Vollmer, T.R. (September, 2016). An analysis of the ethical infractions resolved by the BACB. Florida Association for Behavior Analysis Annual Conference. Fort Lauderdale, FL.
3. \***Cox, D.J.** (April, 2015). Extending the Validity of Discounting Tasks Measuring Half Amounts. Third Annual CARE Symposium. Gainesville, FL.
2. **Cox, D.J.** (February, 2013). Cumulative Record of Free Operant Preference Assessment and Subsequent Reinforcer Rotation. CalABA Annual Western Regional Conference. Garden Grove, CA.

1. **Cox, D.J.** (May, 2011). Autism 101. Colorado Child & Adolescent Mental Health Conference. Denver, CO.

### LOCAL PRESENTATIONS (*^invited presentation; \*poster; \*\*student mentee*)

29. **^Cox, D.J.** (November, 2019). Discounting: How, what, and why? Michigan State University. College of Education. Department of Counseling, Educational Psychology, & Special Education. Guest Lecture.
28. **\*\*Lombardi, J., \*\*Tan, M., Cox, D.J., Dolan, S.D., Berry, M., & Johnson, M.** (July, 2019). Independent and combined influence of episodic future thinking and graphics warning labels on discounting and hypothetical cigarette purchasing. Behavioral Pharmacology Research Unit Annual Poster Session.
27. **\*\*Saba, E., \*\*Freas, J., Cox, D.J., Dolan, S.D., Johnson, P., & Johnson, M.** (July, 2019). A comprehensive examination of delay and on probability discounting processes in cocaine use. Behavioral Pharmacology Research Unit Annual Poster Session.
26. **\*Cox, D.J., Johnson, P.S., & Johnson, M.W.** (June, 2019). Using quantitative models and machine learning to describe discounting across amounts, signs, and commodities. Johns Hopkins University School of Medicine Annual Psychiatry Research Potpourri.
25. **^Cox, D.J.** (November, 2018). Primer on behavioral pharmacology. Van Loan School at Endicott College. Guest Lecture.
24. **^Cox, D.J.** (November, 2018). Quantitative analyses and Applied Behavior Analysis. Van Loan School at Endicott College. Guest Lecture.
23. **^Cox, D.J.** (November, 2018). Discounting: What is it and why do we care? Michigan State University. Department of Counseling, Educational Psychology, & Special Education. Guest Lecture.
22. **^Cox, D.J.** (October, 2018). Discounting multiple delayed and probabilistic outcomes. National Institute on Drug Abuse. Clinical Pharmacology & Therapeutics Research Branch Speaker Series.
21. **\*\*Spector, E., Lewis, J., Cox, D.J., & Dallery, J.** (April, 2018). Influence of multiple delayed outcomes on discounting in humans. University of Florida PGSO Undergraduate Research Forum. Gainesville, FL.
20. **\*\*Standridge, R., Petronelli, A., Cartee, J., Goyal, B., Cox, D.J., & Dallery, J.** (April, 2018). Role of probability and earning budgets on risky and impulsive decisions. University of Florida PGSO Undergraduate Research Forum. Gainesville, FL.
19. **\*\*Petronelli, A., Standridge, R., Cartee, J., Lewis, J., Cox, D.J., Losee, J., & Webster, G.** (April, 2018). Weather discounting: Impact of delay on decisions to evacuate. University of Florida PGSO Undergraduate Research Forum. Gainesville, FL.
18. **\*\*Standridge, R., Petronelli, A., Cartee, J., Goyal, B., Cox, D.J., Losee, J., & Webster, G.** (April, 2018). Impact of language and probability on storm preparation. University of Florida PGSO Undergraduate Research Forum. Gainesville, FL.

17. \*\*Gilbert, J., Vance, S., Lewis, J., **Cox, D.J.**, & Dallery, J. (April, 2018). Isolating or intermixing gains with losses will influence risky choice differently. University of Florida PGSO Undergraduate Research Forum. Gainesville, FL.
16. \*\*Miranda, M., Drabek, A., **Cox, D.J.**, & Dallery, J. (April, 2017). Further comparison of 5-trial adjusting probability and adjusting amount discounting tasks in humans. University of Florida PGSO Undergraduate Research Forum. Gainesville, FL.
15. \*\*Martinez, M., **Cox, D.J.**, & Dallery, J. (April, 2017). Observing behavioral contrast in humans. University of Florida PGSO Undergraduate Research Forum. Gainesville, FL.
14. \*\*Brandfon, H., Amanieh, H., Fernand, J.K., **Cox, D.J.**, & Dorey, N. (April, 2017). Any reward will do: Effects of reversed contingencies on size preference with pet dogs (*canis lupus familiaris*). University of Florida PGSO Undergraduate Research Forum. Gainesville, FL.
13. \*\*Lazaro, X.A., Fernand, J.K., **Cox, D.J.**, & Dorey, N. (April, 2017). Efficacy of edible and leisure reinforcers with domestic dogs. University of Florida PGSO Undergraduate Research Forum. Gainesville, FL.
12. \*\*Le Corre, J., **Cox, D.J.**, & Dallery, J. (April, 2017). Examining the influence of amount on the description-experience gap. University of Florida PGSO Undergraduate Research Forum. Gainesville, FL.
11. **Cox, D.J.** (July, 2014). Philosophical premises for the guidelines for responsible conduct for behavior analysts. STE Consultants, LLC – Type II BACB CEUS. Berkeley, CA.
10. **Cox, D.J.** (April, 2014). Resurgence: experimental clarification and applied strategies for practitioner avoidance thereof. STE Consultants, LLC Type II BACB CEUS. Berkeley, CA.
9. **Cox, D.J.** (July, 2013). Current best practice in the implementation of functional analyses. STE Consultants, LLC Type II BACB CEUs: Berkeley, CA.
8. **Cox, D.J.** (June, 2013). Metaethics, behavior analysis, and the route to professionalization. STE Consultants, LLC Type II BACB CEUs. Berkeley, CA.
7. **Cox, D.J.** (December, 2012). What is the mechanism by which extinction has its effect?
6. **Cox, D.J.** (October, 2012). ABA workshop for school teachers & school psychologists. San Lorenzo Unified School District. San Lorenzo, CA.
5. **Cox, D.J.** (August, 2012). Conditioned reinforcement: The old and the new/varied<sup>(?)</sup> definition. STE Consultants, LLC Type II BACB CEUs. Berkeley, CA.
4. **Cox, D.J.** (May, 2012). Applied Behavior Analysis and Autism Spectrum Disorders. Parents Helping Parents. Fremont, CA.
3. **Cox, D.J.** (February, 2012). On “Brains and Behaviour” and ABA. STE Consultants, LLC Type II BACB CEUs. Berkeley, CA.
2. **Cox, D.J.** (September, 2011). An Overview of the “Questions About Behavioral Function” (QABF). Developmental Pathways Residential Facility. Denver, CO.

1. **Cox, D.J.** (December, 2009). A Smattering of Autism, Behavior, and the Community. Lafayette Public Library. Lafayette, Colorado.

## POPULAR MEDIA, PODCASTS, & SCIENCE DISSEMINATION

Behavioral Observations Podcast: November, 2019  
 Title: Humans, Drugs, and Machine Learning  
 Link: <https://behavioralobservations.com/eab-behavioral-pharmacology-addiction-psilocybin-mushrooms-and-more-session-99-with-david-cox/>

Ethics in Behavior Analysis SIG: Voices from the Field June 21, 2019  
 Title: Data & Ethical Behavior  
 Link: <https://youtu.be/q8zjhtkiRdI>

## EDITORIAL REVIEWER

Behavior and Philosophy June 2016 – May 2018

## BOARD OF REVIEWERS

Journal of Behavior May 2016 – May 2018

## AD HOC REVIEWER

Behavior Analysis in Practice  
 Behavior Modification  
 Behavioral Interventions  
 Behavioural Processes  
 Bentham Science Publishers  
 Computational Brain & Behavior  
 Experimental and Clinical Psychopharmacology  
 Journal of Autism and Developmental Disorders  
 Journal of Applied Behavior Analysis  
 Journal of Behavior  
 Journal of Childhood & Developmental Disorders  
 Journal of Experimental Psychology: Applied  
 Journal of the Experimental Analysis of Behavior  
 Journal of Interprofessional Care  
 Journal of Medical Internet Research  
 Psychological Record  
 Psychological Reports  
 Psychopharmacology  
 Preventive Medicine  
 Translational Issues in Psychological Sciences

**TEACHING EXPERIENCE**

- Purdue University: Lafayette, IN January 2020 – May 2020 [*forthcoming*]  
*Adjunct Faculty*
- EDCI 58500: Multicultural Education
- Endicott College: Beverly, MA January 2019 – present  
*Adjunct Faculty*
- ABA 510: Conceptual Issues in Applied Behavior Analysis
  - ABA 710: Conditioning and Learning
- University of Texas, San Antonio: San Antonio, TX August 2019 – December 2019  
*Adjunct Faculty*
- SPED 6403: Ethics and Cultural Implications for Applied Behavior Analysis
- Michigan State University: East Lansing, MI August 2018 – December 2018  
*Assistant Professor – Fixed Term*
- CEP 844: Applied Behavior Analysis
- University of Florida: Gainesville, FL August 2014 – June 2018  
*Instructor of Record*
- PSY 2012: Introduction to Psychology
- Graduate Teaching Assistant*
- EAB 3002: Principles of Behavior Analysis
  - EAB 3764: Applied Behavior Analysis
  - EAB 4184: Behaviorism in Contemporary Society
- National University: Rancho Cordova, CA. August 2013 – August 2014  
*Faculty Instructor: BACB Approved Course Sequence in Applied Behavior Analysis*
- ABA 601: Assessment in Applied Behavior Analysis
  - ABA 604: Advanced Applications of Applied Behavior Analysis – I
  - ABA 605: Advanced Applications of Applied Behavior Analysis – II
- University of Colorado Health and Sciences Center: Aurora, CO. September 2010 – May 2013  
*Faculty Instructor: Small Group Facilitator*
- Interprofessional Ethics Course I for Graduate Health Students.
  - Interprofessional Ethics Course II for Graduate Health Students.

**MENTORSHIP EXPERIENCE**

- University of Florida: Gainesville, FL January 2016 – June 2018  
*Graduate Project Supervisor in Animalia Research Lab*
- University of Florida: Gainesville, FL Aug 2015 – Aug 2016; Aug 2017 – June 2018  
*Undergraduate Psychology Advisor*
- Supervision of Student Independent Research:
- Drabek, Austin (2016-2017). Further comparison of 5-trial and adjusting amount delay and probability discounting tasks of hypothetical monetary losses.
  - Martinez, Monica (2016-2017). Examination of the use of multiple schedules to maintain intervention effects.
  - Le Corre, Juliette (2016-2017). Examination of amount on the description-experience gap.
  - Griffith, Emily V. (2016-2017). Comparative Quantity Discriminations in Domestic Dogs (*Canis lupus familiaris*) and Timber Wolves (*Canis lupus*). University of Florida.

- Nominee for the University of Florida Scholar Award. March, 2016.
- Recipient of the University Scholars Program Scholarship in Psychology Award.
- Bryant, Kaya. (2016). Senior Thesis: Exploring pet attachment among undergraduate students of varying cultural and ethnic backgrounds. University of Florida.
  - Matriculated to Tuskegee University School of Veterinary Medicine upon graduation.
- Winter, John. (2016). Senior Thesis: The Relative Efficacy of Edible and Leisure Reinforcers with Domestic Dogs. University of Florida.
  - Matriculated to Ohio State University Veterinary School upon graduation.

#### Supervision of Practicum Experience for Behavior Analyst Certification Board

- Westrup, Janet. Currently supervising.
- Romero, Jackie. Supervision completed. Examination scheduled for Fall, 2019
- Bujanda, Arlette. Supervision completed. Examination scheduled for Spring, 2019.
- Johnson, Natasha. Board Certification Status obtained 06/01/2018.
- Sosine, Jacob. Board Certification Status obtained 11/30/2015.

#### Supervision of University of Florida Undergraduate Research Credits

Fall 2014 – June 2018

- 116 Students total

## RELATED WORK EXPERIENCE

Kadiant

September 2019 – present

*Clinical Consultant*

Cox Behavioral Consulting, LLC: Annapolis, MD

*Chief Executive Officer*

June 2016 – present

Johns Hopkins University School of Medicine: Baltimore, MD

Behavioral Pharmacology Research Unit

*Postdoctoral Research Fellow*

July 2018 – present

Behavior Change Institute: Oakland, CA

*Quality Assurance Advisor*

August 2015 – present

Behavior Health & Technology Research Clinic

*Behavior Analyst; Director of Research*

February 2016 – June 2018

Behavioral Learning Systems: Gainesville, FL

*Consulting BCBA*

January 2015 – August 2015

STE Consultants, LLC: Berkeley, California.

*Clinical Director*

December 2011 – August 2014

Cox Behavioral Consulting, LLC: Denver, Colorado.

*Owner & Clinical Director*

October 2011 – December 2011

Creative Perspectives Inc., Autism Centers of Colorado: Denver, Colorado.

*Assistant Clinical Director*

December 2009 – November 2011

Creative Perspectives Inc., Autism Centers of Colorado: Denver, Colorado.

*Autism Interventionist*

July 2008 – December 2009

Southwest Autism Research and Resource Center, Phoenix, AZ.

*Autism Habilitator*

January 2007 – July 2008

Grupo de Apoyo Para Latinos con Autismos: Guadalupe, AZ.

*Autism Interventionist*

August 2006 – December 2006



**SERVICE**

Autism Research Center, University of Texas at San Antonio <i>Affiliate Faculty</i>	December 2020 - present
ABAI: Ethics and Behavior Analysis Special Interest Group <i>Founder &amp; Member; Past Positions: President, Vice President</i>	September 2012 – present
BPRU Addiction Seminar Series <i>Speaker Coordinator</i>	January 2020 – May 2020
Behavior Analysis Leadership Conference <i>Ethics Track Coordinator</i>	May 2020
Association for Behavior Analysis International <i>Poster Discussant for Experimental Analysis of Behavior</i>	May 2019
APF Alice Chang Cancer Wellness Grant <i>Grant Reviewing Committee</i>	February 2019
Behavior Analyst Certification Board: Littleton, CO <i>Testing &amp; Accreditation Department; BCBA Item Review Committee</i>	January 2019 – December 2020
Florida Children’s Institute: Jacksonville, FL <i>Research Review Committee</i>	April 2015 – August 2019
Behavior Analysts Certification Board <i>Subject Matter Expert: Comprehensive Term List</i>	November 2017
University of Florida Psychology Department <i>Behavior Analysis Faculty Search Committee: Student Member</i>	August 2017 – January 2018
Society for the Quantitative Analysis of Behavior <i>Board of Directors: Member At-Large</i>	May 2017 – June 2018
Multicultural Alliance of Behavior Analysts: ABAI Special Interest Group <i>Board of Directors: Student Representative</i>	October 2016 – July 2017
Association for Psychological Science <i>Reviewer: Student Research Award</i>	March 2016
University of Florida Psychology Department Psychology Graduate Student Organization <i>President &amp; Behavior Analysis Area Representative</i>	April 2015 – May 2017
University of Florida Psychology Department Diversity Awareness & Affirmation Committee <i>Member</i>	September 2014 – May 2016
University of Florida Graduate Student Council <i>Psychology Department Representative</i>	September 2014 – May 2016
STE Consultants: Leadership Committee <i>Member</i>	January 2014 – August 2014
STE Consultants Ethics Committee <i>Founder and Inaugural Chair</i>	November 2012 – August 2014
Creative Perspectives Ethics Committee <i>Founder and Inaugural Chair</i>	September 2010 – December 2011
Denver Community Bioethics Committee <i>Member</i>	June 2010 – March 2011
Big Brothers/Big Sisters of Arizona <i>Big Brother</i>	June 2007 - September 2007

## **ACTIVE MEMBERSHIPS**

American Psychological Association

Division 24: Society for Theoretical and Philosophical Psychology

Division 25: Behavior Analysis

Division 28: Psychopharmacology and Substance Abuse

Division 38: Health Psychology

American Society of Bioethics and Humanities

Association for Behavior Analysis International

Ethics and Behavior Analysis SIG

Association of Professional Behavior Analysts

Behavioral Economics Research Group

Data for Democracy

Organizational Behavior Management Network

Society for the Quantitative Analysis of Behavior