PAUL C. BOGDAN

Email: pbogda2@illinois.edu ◇ Website: pbogdan.com ◇ Github: paulcbogdan

EDUCATION AND ACADEMIC POSITIONS

Postdoctoral Researcher 2023-
  Duke University, working with Roberto Cabeza and Simon Davis

Ph.D. in Cognitive Neuroscience 2018-2023
  University of Illinois at Urbana-Champaign

B.S. Economics & B.S. Molecular Biology 2013-2017
  University of Illinois at Urbana-Champaign

AWARDS

· U. Illinois Dissertation Completion Fellowship ($20,000) 2022
· Kavli Summer Institute Fellowship 2022
· Thomas & Margaret Huang Fellowship from the Beckman Institute ($23,000) 2020
· U. Illinois Teacher Ranked as Excellent 2020

UPCOMING PUBLICATIONS

20. **Bogdan, P.C.**, Huang, S., Deng, L., Davis, S.W., Cabeza, R. (*In revision*). Intrinsic fluctuations in global connectivity reflect transitions between states of high and low prediction error.

19. Huang, S., **Bogdan, P.C.**, Howard, C.M., Gilette, K., Deng, L., Welch, E., McAllister, M.L., Giovanello, K., Davis, S.W., Cabeza, R. (*In revision*). Cortico-hippocampal interactions underlie schema-supported memory encoding in older adults.

18. **Bogdan P.C.** (*Under review*). Self-other prediction error: A model of how individuals evaluate and respond to others' behavior.

17. Howard, C.M., Huang, S., **Bogdan P.C.**, Morales-Torres, R., Slayton, M., Cabeza, M., Davis, S.W. (*In preparation*). Trial-level representational similarity analysis.

16. **Bogdan P.C.**, Howard, C., Gillette, K., Cabeza, R., Davis, S.W. (*In preparation*). Local and distributed information coding in the ventral stream.

PUBLICATIONS

15. **Bogdan, P.C.** (*In press*). One Decade Into the Replication Crisis, How Have Psychological Results Changed? *Advances in Methods and Practices in Psychological Science.*.

14. Thomas J., **Bogdan P.C.**, Katsumi Y., Dolcos F., Berenbaum H. (*In press*). Implicit Abandonment Distress: Testing Dynamic Links among Schema Activation, Emotion, and Behavior. *Collabra: Psychol.*.

13. **Bogdan, P.C.**, Dolcos, F., Dolcos, S. (2024). How Likely is it that I Would Act the Same Way: Modeling Moral Judgment During Uncertainty. *Cognitive Science*, *48*(11), e70010.

12. **Bogdan, P.C.***, Dolcos, F.*, Katsumi Y., O'Brien M., Iordan A.D., Iwinski S., Buetti S., Lleras A., Bost K.F., Dolcos S. (2024) Reconciling Opposing Effects of Emotion on Relational Memory: Behavioral, Eye-Tracking, & Brain Imaging Evidence. *Journal of Experimental Psychology: General.*

11. **Bogdan P.C.**, Cervantes V.H., Regenwetter M. (2023). What does a population-level mediation reveal about individual people? *Behavior Research Methods*, 1-26.

10. **Bogdan P.C.**, Dolcos S., Federmeier K.D., Lleras A., Schwarb H., Dolcos F. (2023). Emotional Dissociations in Temporal Associations: Opposing Effects of Arousal on Memory for Details Surrounding Unpleasant Events. *Cognition and Emotion*, special issue on "Emotional Time Travel", 1-15.

9. **Bogdan P.C.**, Iordan A.D., Shobrook J., Dolcos F. (2023). ConnSearch: A Framework for Functional Connectivity Analysis Designed for Interpretability and Effectiveness at Limited Sample Sizes. *NeuroImage*, *278*(2023): 120274.

8. **Bogdan P.C.**, Dolcos, F., Buetti S., Lleras A., Dolcos S. (2023). Investigating the Suitability of Online Eye-Tracking for Psychological Research: Evidence from Comparisons with In-Person Data Using Emotion-Attention Tasks. *Behavior Research Methods*, 1-14.

7. **Bogdan P.C.***, Dolcos F.*, Moore M., Culpepper S.A., Kuznetsov I., Dolcos S. (2023). Social Expectations are Primarily Rooted in Reciprocity: An Investigation of Fairness, Cooperation, and Trustworthiness. *Cognitive Science*, 47(8), e13326.

6. Dolcos F., **Bogdan P.C.**, O'Brien M., Iordan A., Madison A., Buetti S., Lleras A., Dolcos S. (2022). The Impact of Focused Attention on Emotional Evaluation: An Eye-Tracking Investigation. *Emotion*. *22*(5), 1088-1099.

5. **Bogdan P.C.**, Moore M., Kuznetsov I., Federmeier K.D., Dolcos S., Dolcos F. (2021). Direct feedback and social conformity promote behavioral change via mechanisms indexed by centroparietal positivity: ERP evidence from a role-swapping ultimatum game *Psychophysiology*, e13985.

4. Dolcos S., Hu, Y., Williams, C., **Bogdan, P.C.**, Hohl, K., Berenbaum, H., Dolcos, F. (2021). Cultivating Affective Resilience: Proof-of-Principle Evidence of Transnational Benefits From a Novel Cognitive-Emotional Training Intervention. *Frontiers in Psychology*, 12:585536.

3. Dolcos F., Katsumi Y., **Bogdan P.C.**, Shen C., Buetti S., Lleras A., Weymar M., Freeman Bost K., Dolcos S. (2020). The Impact of focused attention on subsequent emotional recollection: A functional MRI investigation. *Neuropsychologia, 138*, 107338.

2. Dolcos F., Katsumi Y., Shen C., **Bogdan P.C.**, Jun S., Larsen R., Freeman Bost K., Heller W., Dolcos S. (2020). The Impact of focused attention on emotional experience: A functional MRI investigation. *Cognitive, Affective, & Behavioral Neuroscience. 20*(5), 1011-1026.

1. **Bogdan P.C.** (2017). Viewing Another Act as You Would Creates Altruistic Desires Towards that Other Person. *Frontiers in Human Neuroscience*, 11:594.

PRESENTATIONS

9. **Bogdan, P.C.**, Huang, S., Cabeza, R., Davis, S.W. (2024, April). Stimulus Representation in the Interactions Between Multiple Brain Regions. *Cognitive Neuroscience Society Annual Meeting*, Toronto, Canada.

8. Mzayek Y., Bellec P., **Bogdan, P.C.**, Chamma A., Chen K., Clarke N., Dalenberg J.R., Dockès J., DuPre E., Duran A., Gensollen N., Gomez D., Jawhar S., Lane C., Meudec R., Orfanos D.P., Pietrantoni M., Poline J.P., Salo T., Thual A., Wang H.T., Williamson R., Thirion B. (2023, July). Nilearn for new use cases: Scaling up computational and community efforts. *Organization for Human Brain Mapping Annual Meeting*, Montréal, Canada.

7. **Bogdan, P.C.**, Moore, M., Dolcos, S., Dolcos, F. (2022, May). Expectations of Reciprocity Guide Evaluations of Fairness and Trustworthiness: Evidence from a Role-Change Version of the Ultimatum Game. *Association for Psychological Science Annual Conference*, Chicago, IL.

6. Quan, X., **Bogdan, P.C.**, Moore, M., Dolcos, S., Dolcos, F. (2022, May). Decreased but Persistent Positive Impact of Handshake on Impression Formation and Cooperation During the Covid-19 Pandemic. *Association for Psychological Science Annual Conference*, Chicago, IL.

5. **Bogdan, P.C.**, Dolcos, S., Dolcos, F. (2022, April). Reconciling Evidence Regarding the Impact of Emotion on Relational Memory: Behavioral, Eye-Tracking, and Brain Imaging Investigations. *Cognitive Neuroscience Society Annual Meeting*, San Francisco, CA.

4. **Bogdan, P.C.**, Dolcos, F., Hohl, K., West, H., Moore, M., Dolcos, S. (2021, April). Social and Emotional Factors Influencing Mask-Wearing Attitudes and Behaviors during the COVID-19 Pandemic. *Society for Affective Science Annual Conference*, Online.

3. **Bogdan, P.C.**, Moore, M., Kuznetsov, I., Federmeier, K.D., Dolcos S., Dolcos F. (2021, March). Mechanisms of Social Learning Indexed by Centroparietal Positivity: ERP Evidence from the Ultimatum Game. *Cognitive Neuroscience Society Annual Meeting*, Online.

2. **Bogdan, P.C.**, Dolcos, F., Jun, S., Katsumi, Y., Chen, S., O'Brien, M., Buetti, S., Lleras, A., Freeman Bost, K., Dolcos S. (2019, October). Immediate and long-term effects of focused attention: A functional MRI investigation. *Society for Neuroscience*, Chicago, IL.

1. **Bogdan, P.C.**, Jun, S., O'Brien, M., Lleras, A., Buetti, S., Dolcos, F., Dolcos, S. (2019, April). The Role of Focused Attention in Reducing the Impact of Negative Emotions: An Eye-Tracking Investigation. *Wisconsin Symposium on Emotion*, Madison, WI.

TALKS

4. **Bogdan P.C.** (2022). Reconciling Evidence Regarding the Impact of Emotion on Relational Memory: Behavioral, Eye-Tracking, and fMRI Evidence. *U. Illinois Cognitive Neuroscience Brown Bag.*

3. **Bogdan P.C.**, Iordan A.D., Shobrook J., Dolcos, S., Dolcos F. (2021). Merging Connectome Predictive Modeling and Searchlight Analysis to Analyze Task-fMRI Data. *Beckman Graduate Student Seminar.*

2. **Bogdan P.C.** (2021). Linking Social Perception and Decision-Making Processes. *U. Illinois Cognitive Neuroscience Brown Bag.*

1. **Bogdan P.C.** (2020). ERP Correlates of Social Norm Violations and Norm Learning: Evidence from a Role-Change Ultimatum Game Study. *U. Illinois Cognitive Neuroscience Brown Bag.*

BROADER IMPACTS

· Published an open-source Python package for the visualization of brain networks: NiChord (as of January 2025, it has been used in 8 published manuscripts and has 79 GitHub stars)

· Contributed to NiLearn, the leading Python package for fMRI analysis. Author on the team's poster at the *Organization for Human Brain Mapping* 2023 Annual Meeting

· Worked for the University of Illinois Psychology department's diversity, equity, and inclusion committee, to help advance research and career opportunities for underserved groups

· Communicated statistical and psychological concepts to laypeople via freelance data journalism. Article 1 and Article 2 received 50,000 reads in their first weeks

EMPLOYMENT

IBM, Austin, Tx. Summer 2018
Senior machine learning intern

· Developed supervised machine learning models to predict the success of loans
· Worked on unsupervised machine learning models that generate music

Computational Linguistics Research Group, U. Michigan 2017-2018
Graduate student researcher

· Natural language processing research on interpersonal communication