

Sean Conway

Postdoctoral Researcher
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Education

- 2025 Ph.D., University of Massachusetts Amherst, Amherst, MA (Cognitive Psychology, Andrew Cohen, advisor)
- 2019 M.S., University of Wisconsin Oshkosh, Oshkosh, WI (Psychology, Justyna Olszewska, advisor)
- 2017 B.A., University of Wisconsin-La Crosse, La Crosse, WI (Psychology, minor in Music)

Positions

- 2025-present Post-doctoral researcher, Purdue University, West Lafayette, IN (Stephen Broomell, advisor)

Publications

- Conway, S.P., & Cohen, A.L. (2025). Testing Principles of Choice in Categorization. *Computational Brain & Behavior*, 8, 442-469. <https://doi.org/10.1007/s42113-024-00232-6>
- Hiris, E., Conway, S.P., McLoughlin, W., & Yang, G. (2021). Individual observer differences in the use of form and motion to perceive the actor's sex in biological motion displays. *Perceptual and Motor Skills*.
- Olszewska, J., Falkowski, A., Conway, S.P., Sidoruk-Blach, M., & Jablonska, M. (2021). Ideal and anti-ideal as framing in political evaluations. Psychological analysis of political candidates in the theory of similarity. *Current Psychology*. <https://doi.org/10.1007/s12144-021-02168-7>

In Preparation

- Conway, S.P., & Cohen, A.L. (submitted). Correlated values as a mechanism for the repulsion effect.
- Conway, S.P., & Broomell, S. B. (in prep). The Generalized Context Model, Luce's Choice Rule, and Response Stochasticity.
- Conway, S.P., & Cohen, A.L. (in prep). Context effects in best-worst choice.

Presented Talks

- Conway, S.P., Cohen, A.L., & Starns, J.J. (2025, June). Correlated valuations as a mechanism for the repulsion effect. Talk presented at the *2025 Virtual Meeting of the Society for Mathematical Psychology*.
- Conway, S.P., & Cohen, A.L. (2023, June). Category biases arise from learning sets but not from choice sets. Talk presented at the *2023 Virtual Meeting of the Society for Mathematical Psychology*.
- Conway, S.P., & Cohen, A.L. (2022, July). Categorization with multiple items: Empirical and modeling results. Talk presented at the *2022 Virtual Meeting of the Society for Mathematical Psychology*.

Poster Presentations

- Conway, S.P., & Cohen, A.L. (2025, Nov). Violations of independence in best-worst choice. Poster presented at the *66th Annual Meeting of the Psychonomic Society*. Denver, CO.
- Conway, S.P., Cohen, A.L., & Starns, J.J. (2025, July). Correlated valuations as a mechanism for the repulsion effect. Poster presented at the *58th Annual Meeting of the Society for Mathematical Psychology*. Columbus, OH.
- Conway, S.P., Cohen, A.L., & Starns, J.J. (2024, Nov). Capturing value and covariance in choice, with an application to context effects. Poster presented at the *65th Annual Meeting of the Psychonomic Society*. New York, NY. [Poster selected for Psychonomic Society Graduate Travel Award]
- Conway, S.P., & Cohen, A.L. (2023, Nov). Category biases arise from learning sets but not from choice sets. Poster presented at the *64th Annual Meeting of the Psychonomic Society*. San Francisco, CA.
- Conway, S.P., & Cohen, A.L. (2023, Nov). Value covariance and the attraction-repulsion continuum. Poster presented at the *2023 Meeting of the Society for Judgment and Decision Making*. San Francisco, CA.
- Conway, S.P., & Cohen, A.L. (2022, Nov). Categorization with multiple items: Empirical and modeling results. Poster presented at the *63rd Annual Meeting of the Psychonomic Society*. Boston, MA.
- Conway, S.P., & Cohen, A.L. (2021, Nov). Testing the effect of choice set on categorization. Poster presented virtually at the *62nd Annual Meeting of the Psychonomic Society*.

CONWAY CV

Olszewska, J., Conway, S.P., Falkowski, A., Jablonska, M., & Sidoruk-Blach, M. (2019, Nov). Ideal and anti-ideal as framing in political evaluations. Psychological analysis of politicians' evaluations in the light of the contrast model of similarity. Poster presented at the *60th Annual Meeting of the Psychonomic Society*, Montreal, Canada.

Conway, S.P., Mohawk, K., Timmins, R., & Lishner, D. (2019, Apr). An examination of replication variability across seven replication studies. Poster presented at the *Ninety-First Annual Meeting of the Midwestern Psychological Association*, Chicago, IL.

Olszewska, J., Conway, S.P., Falkowski, A., Jablonska, M., Barnes, J., Hodel, A., & Michels, S. (2019, Apr). Do comparisons matter? Valence framing and evaluation of political candidates. Poster presented at the *Ninety-First Annual Meeting of the Midwestern Psychological Association*, Chicago, IL.

Hiris, E., McLoughin, W., Yang, G., & Conway, S.P. (2018, May). Individual differences in the use of form and motion in the perception of sex in biological motion displays. Poster presented at the *2018 Meeting of the Vision Sciences Society*, St. Pete Beach, FL.

Invited Talks

Conway, S.P. (2023, Oct). *Context effects in decision-making*. Talk presented at UMass First Year Seminar on Decision-Making.

Awards

Psychonomic Society Graduate Travel Award

- 65th Annual Meeting of the Psychonomic Society, Nov. 2024

Summer School on Modeling Heterogeneity: Advances in Behavioral Decision Analytics

- Summer 2023 – Awarded spot in two-week workshop modeling behavioral choice data. Innsbruck, Austria. PIs Michel Regenwetter and Daniel Cavagnaro.

University of Massachusetts Amherst – Data Analytics and Computational Social Science Program – Graduate Non-Working Fellowship

- Fall 2021, Fall 2022

University of Massachusetts Amherst – Getting Started with Bayesian Statistics Workshop – Graduate Student Scholarship

- May 2020 (Workshop held June 15th-17th, 2020)

University of Massachusetts-Amherst - University Graduate Fellowship

- Spring 2020

Teaching History

University of Massachusetts Amherst – Instructor

- PSYCH 241 (online) – Methods of Inquiry in Psychology (Summer 2025)
- PSYCH 240 (online) – Statistics in Psychology (Summer 2024)
- DACSS 601 (online) – Data Science Fundamentals (Winter 2022, Summer 2022, Winter 2023, Summer 2023, Winter 2024, Winter 2025)

CONWAY CV

- PSYCH 392 – Junior Year Writing (Spring 2022)

University of Massachusetts Amherst – Lab Instructor

- PSYCH 240 – Statistics in Psychology (Fall 2020, Spring 2021, Fall 2022, Spring 2023, Fall 2023, Spring 2024, Fall 2024, Spring 2025)

Service

University of Massachusetts Amherst – Psychological & Brain Sciences – Cognitive Psychology Graduate Student Co-Custodian

- Fall 2020 – May 2025t

University of Wisconsin Oshkosh Graduate Student Association-Public Relations Officer

- 2018-2019 Academic Year

University of Wisconsin Oshkosh Graduate Council - Graduate Student Representative

- September 2018 – May 2019
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