

# Ayse Zeynep Enkavi

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## Research Interests

Neuroeconomics and decision neuroscience  
Individual differences in and behavioral interventions on self-regulation  
Tool building for fast and reproducible meta-analyses in behavioral sciences

## Education

- 2014- Present     Stanford University, Stanford, CA  
PhD Student in Psychology  
Advisor: Russell A. Poldrack  
Thesis Title: Behavioral and neural markers of individual differences in self-regulation
- 2012-14           Center for Decision Sciences, Columbia Business School, New York, NY  
Advisor: Eric J. Johnson and Elke U. Weber
- 2008-12           University of Pennsylvania, Philadelphia, PA  
B.A. in Cognitive Science and German Studies, *magna cum laude*  
Minor in Science, Technology and Society  
Advisor: Joseph W. Kable  
Thesis Title: Asymmetric Dominance Effect in Intertemporal Choice

## Honors and Awards

- 2014-19           Stanford Graduate Fellowship  
Stanford University
- 2008-12           Penn World Scholars  
University of Pennsylvania
- 2012           Erich Friedmann Memorial Prize  
University of Pennsylvania
- 2010-12           Dean's List  
University of Pennsylvania
- 2009           Daniel B Shumway Prize  
University of Pennsylvania

## Journal Articles

Eisenberg, I. W., Bissett, P. G., **Enkavi, A. Z.**, Li, J., MacKinnon, D. P., Marsch, L. A., & Poldrack, R. A. (2019). Uncovering the structure of self-regulation through data-driven ontology discovery. *Nature communications*, 10(1), 2319.

**Enkavi, A. Z.**, Eisenberg, I. W., Bissett, P. G., Mazza, G. L., MacKinnon, D. P., Marsch, L. A., & Poldrack, R. A. (2019). Large-scale analysis of test-retest reliabilities of self-regulation measures. *Proceedings of the National Academy of Sciences*, 116(12), 5472-5477.

Eisenberg, I. W., Bissett, P. G., Canning, J. R., Dallery, J., **Enkavi, A. Z.**, Whitfield-Gabrieli, S., ... & Kim, S. J. (2018). Applying novel technologies and methods to inform the ontology of self-regulation. *Behaviour research and therapy*, 101, 46-57.

**Enkavi, A. Z.,** Weber, B., Zweyer, I., Wagner, J., Elger, C. E., Weber, E. U., & Johnson, E. J. (2017). Evidence for hippocampal dependence of value-based decisions. *Scientific reports*, 7(1), 17738.

Sochat, V. V., Eisenberg, I. W., **Enkavi, A. Z.,** Li, J., Bissett, P. G., & Poldrack, R. A. (2016). The experiment factory: standardizing behavioral experiments. *Frontiers in psychology*, 7, 610.

Li, Y., Gao, J., **Enkavi, A. Z.,** Zaval, L., Weber, E. U., & Johnson, E. J. (2015). Sound credit scores and financial decisions despite cognitive aging. *Proceedings of the National Academy of Sciences*, 112(1), 65-69.

## **In Preparation**

**Enkavi, A. Z.,** Eisenberg, I. W., Bissett, P. G., Poldrack, R. A., “Psychometric properties of drift diffusion model parameters”

**Enkavi, A. Z.,** Eisenberg, I. W., Bissett, P. G., Poldrack, R. A., “Behavioral and neural markers of individual differences in temporal discounting”

**Enkavi, A. Z.,** Helfinstein, S. M., Mumford, J. A., Dunn, M. E., Anthis, J. R., Leake, J. L., Fromme, K., Poldrack, R. A., “Improvements in learning from high-variance outcome patterns from childhood to adulthood relate to increases in risk-taking behavior”

## **Talks**

**Enkavi, A. Z.,** Eisenberg, I. W., Bissett, P. G., Poldrack, R. A. (2018), “Trait measures of self-regulation from cognitive tasks”, Cognitive and Neuroscience Seminar Series, Stanford

**Enkavi, A. Z.,** Eisenberg, I. W., Bissett, P. G., Mazza, G. L., MacKinnon, D. P., Marsch, L. A., Poldrack, R. A. (2018), “A large scale analysis of test-retest reliabilities of self-regulation measures”, Cognitive and Neuroscience Seminar Series, Stanford

**Enkavi, A. Z.,** Weber, B., Zweyer, I., Wagner, J., Elger, C. E., Weber, E. U., Johnson, E. J. (2015), “Preference consistency relies on hippocampal function: Evidence from mediotemporal lobe epilepsy”, Interdisciplinary Symposium on Decision Neuroscience, MIT

**Enkavi, A. Z.,** McClure, S. M. (2015), "Discounting Non-Unitary Rewards", Cognitive and Neuroscience Seminar Series, Stanford

## **Posters**

**Enkavi, A. Z.,** Eisenberg, I. W., Bissett, P. G., Mazza, G. L., MacKinnon, D. P., Marsch, L. A., Poldrack, R. A., “A large scale analysis of cognitive task measures of self-regulation” 2018. Society for Neuroeconomics Annual Meeting, Philadelphia, Pennsylvania.

**Enkavi, A. Z.,** Eisenberg, I. W., Bissett, P. G., Mazza, G. L., MacKinnon, D. P., Marsch, L. A., Poldrack, R. A., “A large scale analysis of test-retest reliabilities of self-regulation measures” 2017. Society of Judgment and Decision Making Annual Meeting, Vancouver, Canada.

**Enkavi, A. Z.,** Eisenberg, I. W., Bissett, P. G., Mazza, G. L., MacKinnon, D. P., Marsch, L. A., Poldrack, R. A., “A large scale analysis of test-retest reliabilities of self-regulation measures” 2017. Society for Neuroeconomics Annual Meeting, Toronto, Canada.

**Enkavi, A. Z.,** McClure, S. M., “Beyond Delay Discounting: Intertemporal Choice Between Non-Unitary Rewards” 2015. Society of Judgment and Decision Making Annual Meeting, Chicago, Illinois.

**Enkavi, A. Z.,** McClure, S. M., “Beyond Delay Discounting: Intertemporal Choice Between Non-Unitary Rewards” 2015 Society for Neuroeconomics Annual Meeting, Miami, Florida.

**Enkavi, A. Z.,** Gao, J., Li, Y., Johnson E. J., Weber, E. U. *What Measures of Risk Attitude Predict Real World Risk Taking?* 2014. Society of Judgment and Decision Making Annual Meeting, Long Beach, California.

**Enkavi, A. Z.,** Weber, B., Zweyer, I., Wagner, J., Elger, C. E., Weber, E. U., Johnson, E. J. *Preference consistency relies on hippocampal function: Evidence from mediotemporal lobe epilepsy.* 2014. Society of Judgment and Decision Making Annual Meeting, Long Beach, California.

Kazinka, R., **Enkavi, A. Z.,** Vo, K., Kable, J. W. *Individual differences in the Asymmetric Dominance Effect.* 2014. Society for Neuroeconomics Annual Meeting, Miami, Florida.

**Enkavi, A. Z.,** Gao, J., Li, Y., Zaval, L., Johnson E. J., Weber, E. U. *Neurons die, not knowledge: Domain knowledge compensates for declining cognitive ability in financial decision-making.* 2013. Society of Judgment and Decision Making Annual Meeting, Toronto, Canada.

## Professional Memberships

Society of Judgment and Decision Making  
Society of Neuroeconomics  
Organization of Human Brain Mapping

## Training and Courses Attended

2015 SRNDNA computational modeling workshop for Decision Neuroscience and Aging  
2018 OHBM Brainhack hackathon

## Teaching and Mentorship

Brain and Decision Making, Teaching Assistant, Spring 2018  
Introduction to Statistical Methods, Winter 2018  
Psych One Teaching Fellow, Fall 2015, Spring 2015, Fall 2017  
Introduction to Learning and Memory, Spring 2016  
Introduction to Cognitive Neuroscience, Winter 2016

Undergraduate research advising:

Vinh Ton, Stanford University (2016-18)  
Dimitrios Konstantellos, MIT (2017)  
Brian Wu, University of California, Berkeley (2016)  
Andrea Bell, Columbia University (2014)  
Joachim Talloen, Rutgers University (2014)  
Tae Ho Kim, University of Chicago (2013)

## References

Russell A. Poldrack, PhD  
Stanford University

Elke U. Weber, PhD  
Princeton University

Eric J. Johnson, PhD  
Columbia Business School

Joseph W. Kable, PhD  
University of Pennsylvania