**A. Zeynep Enkavi**

Rangel Neuroeconomics Lab

Caltech

Division of Humanities and Social Sciences zenkavi@caltech.edu

Baxter Hall, 334 https://zenkavi.github.io

Pasadena, CA 91106

**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**

2019 - Caltech, Pasadena, CA

Postdoctoral Scholar in Neuroeconomics

Advisor: Antonio Rangel

2014 - 19 Stanford University, Stanford, CA

PhD Student in Psychology

Advisor: Russell A. Poldrack

Thesis Title: Behavioral and neural markers of 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

BA 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)

**Ad hoc Reviewer**

Cerebral Cortex

Biological Psychiatry

**References**

Russell A. Poldrack , PhD

Stanford University

Eric J. Johnson, PhD

Columbia Business School

Elke U. Weber, PhD

Princeton University

Joseph W. Kable, PhD

University of Pennsylvania