



A. Zeynep Enkavi

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Education

Stanford University 2019

Ph.D. in Psychology

Concentration: Neuroscience

Adviser: Russell A. Poldrack

University of Pennsylvania 2012

B.A. in Cognitive Science, German Studies

Minor: Science, Technology and Society

Adviser: Joseph W. Kable

Employment

California Institute of Technology 2019-Present

Rangel Neuroeconomics Lab

Postdoctoral Scholar

Adviser: Antonio Rangel

Columbia Business School 2012-14

Center for Decision Sciences

Lab Manager

Advisers: Eric J. Johnson, Elke U. Weber

Publications

IN PREPARATION

Enkavi, A. Z., Lombardi, G., Hare, T., Rangel, A. Human simple choice in non-human experiments: Differences in value representations during decisions between familiar or novel items.

Enkavi, A. Z., Goldman, J., Yang, L., Rangel, A. aDDM-Toolbox: Estimating time-varying drift rates with GPUs, Julia or Python.

Enkavi, A. Z., Goldman, J., Yang, L., Rangel, A. A meta-analytic review of attentional discounting effects in simple value-based choice.

Enkavi, A. Z., Tavares, G., Rangel, A. Choosing between bundles of described and experienced risks.

Bissett, P. G., Eisenberg, I. W., Shim, S., Rios, J. A. H., Jones, H. M., Hagen, M. P., **Enkavi, A. Z.**, Li, J. K., Mumford, J. A., MacKinnon, D. P., Marsch, L. A., & Poldrack, R. A. Cognitive tasks, anatomical MRI, and functional MRI data evaluating the construct of self-regulation.

Enkavi, A. Z., Helfinstein, S., Poldrack, R. A. Statistically identical but cognitively different models of risky behavior during adolescence.

PEER-REVIEWED

2022

Kliemann, D., Armstrong, T., Galdi, P., Kahn, D., Rusch, T., **Enkavi, A. Z.**, Liang, D., Lograsso, S., Zhu, W., Yu, R., Nair, R., Paul, L., Tyszka, J. M., Adolphs, R. (2022) Caltech Conte Center - A multimodal data resource for exploring social cognition and decision-making. *Scientific Data*, 9 (1), 1-15.

2021

Enkavi, A. Z., Poldrack, R. A. (2021). Implications of the lacking relationship between cognitive task and self report measures for psychiatry. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 6 (7), 670-672.

Mazza, G. L., Smyth, H. L., Bissett, P. G., Canning, J. R., Eisenberg, I. W., **Enkavi, A. Z.**, Gonzalez, O., Kim, S. J., Metcalfe, S. A., Muniz, F., Pelham III, W. E., Scherer E. A., Valente, M. J., Xie, H., Poldrack, R. A., Marsch, L. A., MacKinnon, D. P. (2021). Correlation Database of 60 Cross-Disciplinary Surveys and Cognitive Tasks Assessing Self-Regulation. *Journal of Personality Assessment*, 103 (2), 238-245.

2019

Enkavi, A. Z., Eisenberg, I. W., Bissett, P. G., Mazza, G. L., MacKinnon, D. P., Marsch, L. A., & Poldrack, R. A. (2019). Reply to Friedman and Banich: Right measures for the research question. *Proceedings of the National Academy of Sciences*, 116 (49), 24398-24399.

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.

Pre - 2019

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.

Invited Talks

2022: NIMH RDoC Roundtable (Virtual)

2021: Cognitive Sciences Colloquium, UC Irvine (Virtual)

2018: Cognitive and Neuroscience Seminar Series, Stanford

Conference presentations

TALKS

Enkavi, A. Z. (2023), "Human simple choice in a non-human primate paradigm", Interdisciplinary Symposium on Decision Neuroscience, Temple University.

Enkavi, A. Z. (2023), "Human simple choice in a non-human primate paradigm", Social and Decision Neuroscience Symposium Series, Caltech.

Enkavi, A. Z. (2015), "Preference consistency relies on hippocampal function: Evidence from mediotemporal lobe epilepsy", Interdisciplinary Symposium on Decision Neuroscience, MIT.

POSTERS

Enkavi, A. Z., Lombardi, G., Hare, T., Rangel, A. "Human simple choice in non-human experiments." 2023. Conference on Cognitive Computational Neuroscience, Oxford, UK.

Enkavi, A. Z., Tavares, G., Rangel, A. "Choice between multi-attribute and multi-modal uncertainties" 2022. Society for Neuroeconomics Annual Meeting, Arlington, VA.

Enkavi, A. Z., Tavares, G., Rangel, A. "Choosing between bundles of described and experienced risks" 2022. The Neurobiology of Reward And Decision-Making (II), Lake Arrowhead, California.

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.

Honors and Awards

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| Penn World Scholars University of Pennsylvania | 2008-12 |
| Erich Friedmann Memorial Prize University of Pennsylvania | 2012 |
| Daniel B Shumway Prize University of Pennsylvania | 2009 |

Training Courses Attended

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| Evidence-Based Undergraduate STEM Teaching | 2023 |
| First Year Faculty Teaching Academy | 2023 |
| Neuromatch Academy | 2020 |
| OHBM: Fundamental Concepts and Methods in Network Neuroscience | 2020 |
| OHBM Brainhack hackathon | 2018 |
| SRNDNA computational modeling workshop for Decision Neuroscience and Aging | 2015 |

Teaching and Mentorship

[Stanford University]

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| Brain and Decision Making, Teaching Assistant | 2018 |
| Introduction to Statistical Methods, Coding assistance | 2018 |
| Introduction to Learning and Memory, Teaching Assistant | 2016 |
| Introduction to Cognitive Neuroscience, Teaching Assistant | 2016 |
| Psych One Teaching Fellow | 2015-17 |

Undergraduate Research Mentoring

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| Lynn Yang, Caltech | 2023 |
| Jacob Goldman, Caltech | 2023 |
| Jordan Threat, Caltech | 2023 |
| Carolina Lopez, Caltech | 2023 |
| Hanna Park, Caltech | 2023 |
| Omer Ekin, Tufts University | 2018 |
| Vinh Ton, Stanford University | 2016-18 |

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| 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 |

Service

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| Caltech Postdoc Association Division co-representative, Caltech | 2022-Present |
| Graduate student cohort co-representative, Stanford University | 2014-19 |
| Graduate student interview weekend co-organizer, Stanford University | 2016 |
| Alumni interviewer, University of Pennsylvania | 2014-18 |

Ad hoc Reviewer

Behavior Research Methods
 Biological Psychiatry
 Cerebral Cortex
 Computational Psychiatry
 Journal of Neuroscience, Psychology and Economics
 Nature
 Nature Human Behaviour
 NeuroImage
 Neuropsychopharmacology
 Trends in Cognitive Sciences

References

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| Antonio Rangel, Ph.D. California Institute of Technology | rangel@hss.caltech.edu |
| Russell A. Poldrack, Ph.D. Stanford University | poldrack@stanford.edu |
| Bridgette Martin-Hard, Ph.D. Duke University | bridgette.hard@duke.edu |
| Eric J. Johnson, Ph.D. Columbia Business School | ejj3@gsb.columbia.edu |
| Elke U. Weber, Ph.D. Princeton University | eweber@princeton.edu |
| Joseph W. Kable, Ph.D. University of Pennsylvania | kable@psych.upenn.edu |