

Jihyun K. Hur

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EDUCATION

Yale University

Ph.D. Student in Psychology

New Haven, CT

Sep. 2023 - Present

- Advisors: Dr. Jutta Joormann & Dr. Robb B. Rutledge
- Area of Study: Clinical Psychology

Seoul National University

M.A. in Psychology

Seoul, Korea

Sep. 2019 - Aug. 2021

- Advisor: Dr. Woo-Young Ahn
- Area of Study: Clinical Psychology (GPA: 4.30/4.30)
- Master's Thesis: Investigating the Effect of Anxiety on Model-Based Reinforcement Learning in Reward and Punishment Conditions: a Computational Modeling Study

Washington University in St. Louis

B.S. in Business Administration

St. Louis, MO

Aug. 2015 - May 2018

- Graduation with Honors in Management
- Area of Study: Accounting (GPA: 3.83/4.00)
- Honors Thesis: Follow the Money: Analyzing Crime Statistics Based on Income, Race and Age at the Census Tract Level

HONORS & AWARDS

2023	ILJU Academy and Culture Foundation Fellowship (\$120,000)	Seoul, Korea
2020	Seoul National University Graduate Research Grant in Social Sciences (\$2,530)	Seoul, Korea
2020	Scholarship for Summer 2020 Study Abroad Program (Harvard Summer School) (\$3,200)	Seoul, Korea
2018	Graduation with Honors (Honors in Management)	St. Louis, MO

PUBLICATIONS

- [1] **Hur, J. K.**, Heffner, J., Feng, G. W., Joormann, J., & Rutledge, R. B. (under review). Language Sentiment Predicts Changes in Depressive Symptoms.
- [2] Kwon, M., Kim, H., Yang, J., Lee, Y., **Hur, J. K.**, Lee, T., & Ahn, W.-Y. (2024). Caffeinated Soda Intake in Children Is Associated with Neurobehavioral Risk Factors for Substance Misuse. *Substance Use & Misuse*, 59(1), 79-89.
- [3] Kim, H., **Hur, J. K.**, Kwon, M., Kim, S., Zoh, Y., & Ahn, W.-Y. (2023). Causal Role of the Dorsolateral Prefrontal Cortex in Modulating the Balance Between Pavlovian and Instrumental Systems in the Punishment Domain. *PLoS ONE*, 18(6), e0286632.
- [4] Kao, C. H., Feng, G. W., **Hur, J. K.**, Jarvis, H., & Rutledge, R. B. (2023). Computational Models of Subjective Feelings in Psychiatry. *Neuroscience & Biobehavioral Reviews*, 19(145), 105008.
- [5] **Hur, J. K.**, Yang, J., Doh, H., & Ahn, W.-Y. (2020). Mapping fNIRS to fMRI with Neural Data Augmentation and Machine Learning Models. *NeurIPS 2020 BabyMind Workshop*.

CONFERENCE PRESENTATIONS

- [1] **Hur, J. K.**, Heffner, J., Feng, G. W., Joormann, J., & Rutledge, R. B. (2023). The Sentiment of Language Explains Current and Future Affective Experiences. *Poster Presented at the Computational Psychiatry Conference, Dublin*.
- [2] **Hur, J. K.**, Joormann, J., & Rutledge, R. B. (2022). Linguistic Markers of Momentary Mood Dynamics During Risky Decision-Making. *Poster Presented at the Annual Meeting of the Society for NeuroEconomics, Arlington*.
- [3] **Hur, J. K.**, Joormann, J., & Rutledge, R. B. (2022). Linguistic Markers of Momentary Mood Dynamics During Risky Decision-Making. *Poster Presented at the Computational Psychiatry Course, New York*.

- [4] **Hur, J. K.** & Ahn, W.-Y. (2021). Elevated Anxiety Disturbs Model-Based Decision-Making under Monetary Loss. *Poster Presented at the Virtual Annual Meeting of the Society of Biological Psychiatry, San Diego.*
- [5] Kwon, M., Kim, H., Yang, J., **Hur, J. K.**, Lee, T., & Ahn, W.-Y. (2019). Identifying Behavioral and Neural Predictors of Caffeinated Soda Intake in Childhood Using a Large Database from the ABCD Study. *Poster presented at the Annual Meeting of the Society for Neuroscience, Chicago.*

RESEARCH EXPERIENCES

Rutledge Laboratory

Research Technician

Yale University

Aug. 2021 - Aug. 2023

- PI: Dr. Robb B. Rutledge
- Manage a large-scale smartphone-based project funded by National Institute of Mental Health (R01 grant)
- Coordinate class logistics for Computational Modeling of Human Behavior course (Fall 2021)

Computational Clinical Science Laboratory

Research Assistant

Seoul National University

Jan. 2019 - Aug. 2019

- PI: Dr. Woo-Young Ahn
- Accepted into Adolescent Brain Cognitive Development (ABCD) workshop held in Portland, OR, and led a hackathon project
- Wrote sharable Python codes for automating download of ABCD study raw and minimally preprocessed neuroimaging data

CLINICAL EXPERIENCES

Center for Student Life and Culture

Counselor (Team Leader)

Seoul National University

Jan. 2021 - Aug. 2021

- Organized intake interview schedule and conducted 2 intake interviews and 3 individual counseling sessions per week
- Administered psychometric tests and provided a comprehensive interpretation of test results to clients

Counseling and Welfare Center for Youth

Counselor

Seoul, Korea

Mar. 2020 - Jul. 2020

- Conducted 8 intake interviews with adolescents to understand their chief complaints and assign proper counselors
- Provided 4 one-time counseling sessions over telephone using problem-solving therapy

TEACHING

Seoul National University

Teaching Assistant

Seoul, Korea

Aug. 2020 - Dec. 2020

Advanced Data Analysis for Brain and Cognitive Sciences: Data Collection and Statistical Analysis for Functional MRI

Washington University in St. Louis

Teaching Assistant

St. Louis, MO

Jan. 2016 - Dec. 2016

Managerial Statistics

ACADEMIC SERVICES

Ad-hoc reviewer

2021 - Present

- American Journal of Psychiatry (with advisor), British Journal of Psychiatry (with advisor), Computational Psychiatry (with advisor), PLOS Computational Biology (with advisor)

Graduate Application Mentor, Sneak Peek Program

2023 - Present

- Mentor an applicant with underrepresented backgrounds through graduate application process

Student Mentor, NextGen Psych Scholars Program

2023 - Present

- Mentor three applicants with underrepresented backgrounds through graduate application process

RESEARCH INTERESTS

Depression; Anxiety; Early Life Adversity; Natural Language Processing; Computational Psychiatry; Computational Neuroscience; Reinforcement Learning