Jihyun K. Hur

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EDUCATION

Seoul National University   *Seoul, Korea*
M.A. in Psychology   *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   *St. Louis, MO*
B.S. in Business Administration   *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

RESEARCH EXPERIENCES

Rutledge Laboratory   *Yale University*
Research Technician   *Aug. 2021 - Present*
- 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   *Seoul National University*
Research Assistant   *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   *Seoul National University*
Counselor (Team Leader)   *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   *Seoul, Korea*
Counselor   *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

PUBLICATIONS

Kao, C. H., Feng, G. W., **Hur, J. K.**, Jarvis, H., & Rutledge, R. B. (under review). Computational models of subjective feelings in psychiatry.

Kim, H., **Hur, J. K.**, Kwon, M., Kim, S., Zoh, Y., & Ahn, W.-Y. (under review). Causal Role of the Dorsolateral Prefrontal Cortex in Modulating the Balance Between Pavlovian and Instrumental Systems in the Punishment Domain. *bioRxiv.*

Kwon, M., Kim, H., Yang, J., Lee, Y., **Hur, J. K.**, Lee, T., & Ahn, W.-Y. (under review). Daily Caffeinated Soda Intake is Associated with Impaired Working Memory and Higher Impulsivity in Children. *bioRxiv.*

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.*

MANUSCRIPTS IN PREPARATION

Hur, J. K., & Ahn, W.-Y. (in preparation). Worry Interferes Model-Based Learning in Punishment Condition.

Hur, J. K., Kim, S., & Ahn, W.-Y. (in preparation). Distorted Perception of Low Probability Values in Highly Anxious Individuals.

CONFERENCE PRESENTATIONS

Hur, J. K., Joormann, J., & Rutledge, R. B. (2022). Linguistic Markers of Momentary Mood Dynamics During Risky Decision-Making. *Poster Accepted for the Annual Meeting of the Society for NeuroEconomics, Arlington.*

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.*

Hur, J. K. & Ahn, W.-Y. (2021). Elevated State Anxiety Disturbs Model-Based Decision-Making under Monetary Loss. *Poster Presented at the Virtual Annual Meeting of the Society of Biological Psychiatry, San Diego.*

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.*

HONORS & AWARDS

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*

TEACHING

Seoul National University   *Seoul, Korea*
Teaching Assistant   *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   *St. Louis, MO*
Teaching Assistant   *Jan. 2017 - Dec. 2017*
Managerial Statistics

ACADEMIC SERVICES

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

RESEARCH INTERESTS

Depression; Suicide; Natural Language Processing; Computational Psychiatry; Decision-Making; Reinforcement Learning; Translational Neuroscience

SKILLS

Programming   Python (PsychoPy, NumPy, Pandas, Matplotlib, Scikit-Learn), R, MATLAB, Stan, LaTeX
Neuroimaging   SPM12, FSL, FreeSurfer, SPM-fNIRS, HOMER2

REFERENCES

Professor Robb B. Rutledge

Department of Psychology, Yale University

- Email: robb.rutledge@yale.edu

Professor Woo-Young Ahn

Department of Psychology, Seoul National University

- Email: wahn55@snu.ac.kr

Professor Bernardo S. da Silveira

Department of Economics, University of California, Los Angeles

- Email: silveira@econ.ucla.edu