

# Jihyun Hur

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## EDUCATION

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### Seoul National University

Seoul, Korea

M.A. in Psychology

Aug. 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

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### Rutledge Laboratory

Yale University

Research Technician

Aug. 2021 - Present

- PI: Dr. Robb 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

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### Center for Student Life and Culture

Seoul National University

Counselor

Jan. 2021 - Aug. 2021

- Manage intake interview schedule and conduct 2 intake interviews and 3 individual counseling sessions per week
- Administer psychometric tests and provide 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

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Kim, S., **Hur, J.**, & Ahn, W.-Y. (in prep). Greater Distortion of Perceived Probability Among People with High Anxiety in Both Reward and Punishment Domains: A Computational Modeling Study. *in prep.*

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

**Hur, J.**, 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

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

Kwon, M., Kim, H., Yang, J., **Hur, J.**, 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

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2020	<b>Seoul National University Graduate Research Grant in Social Sciences (\$2,530)</b>	<i>Seoul, Korea</i>
2020	<b>Scholarship for Summer 2020 Study Abroad Program (Harvard Summer School) (\$3,200)</b>	<i>Seoul, Korea</i>
2018	<b>Graduation with Honors (Honors in Management)</b>	<i>St. Louis, MO</i>

## TEACHING

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<b>Seoul National University</b>	<i>Seoul, Korea</i>
Teaching Assistant	<i>Aug. 2020 - Dec. 2020</i>
<i>Advanced Data Analysis for Brain and Cognitive Sciences: Data Collection and Statistical Analysis for Functional MRI</i>	

<b>Washington University in St. Louis</b>	<i>St. Louis, MO</i>
Teaching Assistant	<i>Jan. 2017 - Dec. 2017</i>
<i>Managerial Statistics</i>	

## ACADEMIC SERVICES

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### Manuscript Review

- American Journal of Psychiatry (with advisor)
- British Journal of Psychiatry (with advisor)
- Computational Psychiatry (with advisor)

## RESEARCH INTERESTS

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Anxiety; Depression; Suicide; Happiness; Computational psychiatry; Computational modeling; Decision-making; Reinforcement learning; Machine learning; Translational neuroscience; Biomarkers

## SKILLS

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

## REFERENCES

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### Professor Robb 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