

Harhim Park

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Research Interests

Decision neuroscience, computational modeling, reinforcement learning, hierarchical Bayesian analysis, neuroimaging (fMRI)

Education History

M.A. (Sep 2018 – Aug 2020)

- Cognitive Psychology, GPA: 4.22/4.30
Department of Psychology, Seoul National University, South Korea
- Advisor: Woo-Young Ahn, Ph.D.

B.S. (summa cum laude) (Mar 2012 – Aug 2018)

- Physics (minor in Psychology), GPA: 3.99/4.30
Department of Physics & Astronomy, Seoul National University, South Korea

Seoul Science High School (Mar 2009 – Feb 2012)

- Studied advanced math and science courses equivalent to college courses, GPA: 4.23/4.30

Publication

Park, H., Yang, J., Vassileva, J., & Ahn, W.-Y. (under review). The Exponential Weight Updating Model: A novel computational model for the Balloon Analogue Risk Task. <https://doi.org/10.31234/osf.io/sdzj4>

Oral Presentation

Doh, H., Jeong, Y., Park, H., & Ahn, W.-Y. (2020). Dissecting the mechanism of the Pavlovian bias with the orthogonalized Approach/Withdrawal task and mouse-tracking. *Talk given at the virtual Annual Meeting of the Society for Mathematical Psychology.*

Park, H., Yang, J., & Ahn, W.-Y. (2019). Predicting trial-wise risky choice by using multi-modal data. *Talk given at the Annual Meeting of the Korean Cognitive Science Society, Seoul, South Korea.*

Poster Presentation

Park, H., Choi, H., Kwon, M., Ahn, W.-Y., & Jung, Y. (2020). Neural correlates of goal-directed control in internet gaming disorder and alcohol use disorder. *E-Poster registration at the Annual Meeting of the Society of Biological Psychiatry, New York.*

Park, H., Yang, J., & Ahn, W.-Y. (2019). Predicting trial-wise choices from multi-modal data in a new environment. *Poster presented at the Annual Meeting of the Society for Neuroscience, Chicago, Illinois.*

Moody, L., Tegge, A., Park, H., Ahn, W.-Y., & Bickel, W. (2018). Delay discounting and sequential decision making across the alcohol use and recovery spectrum. *Poster presented at the Annual Scientific Meeting of the College on Problems of Drug Dependence, San Diego, California.*

Grants

SNU Undergraduate Research Grant in Social Sciences

Seoul National University (Mar 2018 – Jan 2019)

- Predicting trial-wise risky choice by using multi-modal data

Scholarships & Awards

SNU Graduate Scholarship for Basic Science Research (Mar 2019 – Present)

Seoul National University

- Stipends of \$5000 each semester

The Presidential Science Scholarship (2012 – 2014, 2017)

Korea Student Aid Foundation

- A full scholarship for undergraduate studies and additional stipends of \$2000 each semester

14th International Astronomy Olympiad (IAO) (Nov 2009)

Coordinating Council of International Astronomy Olympiad

- 2nd prize

13th International Astronomy Olympiad (IAO) (Oct 2008)

Coordinating Council of International Astronomy Olympiad

- 1st prize

Experience

Teaching Assistant (Mar 2019 – Dec 2019)

- Psychology of Interpersonal Relations
Department of Psychology, Seoul National University, South Korea

Teaching Assistant (Mar 2018 – Dec 2018)

- Computational modeling: Woo-Young Ahn, CCS Lab (<https://ccs-lab.github.io>)
Department of Psychology, Seoul National University, South Korea
- Seoul Science High School Research & Education

Research Assistant (Sep 2017 – Aug 2018)

- Computational modeling: Woo-Young Ahn, CCS Lab (<https://ccs-lab.github.io>)
Department of Psychology, Seoul National University, South Korea

Intern (Mar 2017 – June 2017, Mar 2018 – June 2018)

- Gravitational Wave: Sung-Hoon Jung Lab
Department of Physics & Astronomy, Seoul National University, South Korea

Research & Education (Mar 2009 – Dec 2009)

- Semiconductor & Transistor: Dong-Ryeol Jeon Lab
Department of Physics Education, Seoul National University, South Korea

Ad-hoc Reviews

- Current Directions in Psychological Science (with advisor)
- Decision (with advisor)

Skills

- Programming: R, Stan, Python, C/C++, GitHub, Linux batch script, LaTeX

International Experience

Global Volunteering (*Feb 2014*)

Global Inter-culturing and Volunteering, Seoul National University

- Indonesia

Other Experience

Korean Airforce (*Mar 2015 – Mar 2017*)

- Military Service Obligation

Volunteering Club (*Mar 2013 –*)

Global Inter-culturing and Volunteering, Seoul National University

- Vice-chairman (*Mar 2014-June 2014*)

Rock Band (*Mar 2012 –June 2014*)

Department of Physics & Astronomy, Seoul National University

- Vocal