

BYUNG-IL OH

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EDUCATION	Sungkyunkwan University <ul style="list-style-type: none">- Bachelor of Arts in Psychology- Bachelor of Science in Engineering, Interdisciplinary Program of Convergence Software	Republic of Korea 2020 (Expected)
PUBLICATIONS	<ol style="list-style-type: none">1. Oh, B.-I., Kim, Y.-J., Kang, M.-S. (in press). Ensemble representations reveal distinct neural coding of visual working memory. <i>Nature Communications</i>.2. Son, G., Oh, B.-I., Kang, M.-S., & Chong, S. C. (2019, May 9). Similarity-based clusters are representational units of visual working memory. <i>Journal of Experimental Psychology: Learning, Memory, and Cognition</i>. Advance online publication.3. Kang, M.-S. & Oh, B.-I. (2016). Grouping influences output interference in short-term memory: a mixture modeling study. <i>Frontiers in Psychology</i>, 7, 585.	
PRESENTATIONS	<ol style="list-style-type: none">1. Oh, B.-I. & Kang, M.-S. (2018). Cluster representation during maintenance in visual working memory. Poster presented at the 18th Annual Meeting of <i>Korean Society for Cognitive and Biological Psychology</i>, Suwon, Republic of Korea.2. Oh, B.-I. & Kang, M.-S. (2017). Time is needed for memory to be biased toward an ensemble average. Poster presented at the 17th Annual Meeting of the <i>Vision Science Society</i>, St. Pete Beach, FL., U.S.	
RESEARCH EXPERIENCES	Visual Cognitive Neuroscience Lab , Department of Psychology, Sungkyunkwan University <i>Research Assistant</i> (Advisor: Prof. Min-Suk Kang) <ul style="list-style-type: none">- Led project on working memory and ensemble representation. Ran behavioral and EEG experiments. Set up and managed EEG environment and participant pool. Sensorimotor Cognition Laboratory , Center for Neuroscience Imaging Research, Institute of Basic Science <i>Intern</i> (Advisor: Prof. Jun-Yeol Lee) <ul style="list-style-type: none">- Participated in pilot project on smooth pursuit eye movement and memory. Ran behavioral experiment with eye-tracker and presented result by poster.	Seoul, Republic of Korea Feb. 2015 – Aug. 2018 Suwon, Republic of Korea Jun. 2016 – Jul. 2016
AWARDS	Data Science Competition 2019 , Naver Corporation & Seoul National University <i>Third Place</i> (among ~2,000 competitors) <ul style="list-style-type: none">- Purpose: to make creative financial portfolio strategy based on data science- Designed personalized portfolio optimization method that overcomes disposition effect.	Republic of Korea Apr. 2019 – Aug. 2019
SKILLS	MATLAB, Python, R, Keras, Stan, SQL, C/C++, Java, Photoshop	

WORK
EXPERIENCES

KATUSA (Korean Augmentation to the United States Army),
Republic of Korea Army
Corporal, Administrative Specialist

Republic of Korea
Oct. 2018 – Present

- Performed mandatory military service with Eighth U.S. Army.

EXTRA-
CURRICULAR
ACTIVITIES

Undergraduate Student Social Club, Sungkyunkwan University
Cognitive Psychology Student Club

Seoul, Republic of Korea
Apr. 2014 – Nov. 2017

- Participated in project on memory, attention, consciousness, face recognition, motion perception, time perception, and navigation.
- Organized club funding and made decision as club president.

Data Analysis Student Club

Mar. 2016 – Nov. 2017

- Studied statistics, data analysis, machine learning, R, python. Participated in project on network analysis and recommendation system.

Class Mentoring Program, Sungkyunkwan University
Brain, Mind, and Behavior (PSY3013-01)

Seoul, Republic of Korea
Fall 2016

- Gave summary presentation of neuroimaging method, perception, attention, memory, decision making, social neuroscience to classmates.

Perception (PSY3008-01)

Spring 2015

- Summarized psychometrics, visual, auditory, somatosensory perception. Answered classmates' question and led discussion.

Last Updated: November 13th, 2019