BYUNG-IL OH

bioh.inbox@gmail.com

EDUCATION	**Sungkyunkwan University**	Republic of Korea 2020 (Expected)

- Bachelor of Arts in Psychology
- Bachelor of Science in Engineering, Interdisciplinary Program of Convergence Software

PUBLICATIONS

1. **Oh, B.-I.**, Kim, Y.-J., Kang, M.-S. (in press). Ensemble representations reveal distinct neural coding of visual working memory. *Nature Communications*.
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. *Journal of Experimental Psychology: Learning, Memory, and Cognition.* Advance online publication.
3. Kang, M.-S. & **Oh, B.-I.** (2016). Grouping influences output interference in short-term memory: a mixture modeling study. *Frontiers in Psychology*, *7*, *585*.

PRESENTATIONS

1. **Oh, B.-I.** & Kang, M.-S. (2018). Cluster representation during maintenance in visual working memory. Poster presented at the 18th Annual Meeting of *Korean Society for Cognitive and Biological Psychology*, 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 *Vision Science Society*, St. Pete Beach, FL., U.S.

RESEARCH EXPERIENCES

Visual Cognitive Neuroscience Lab,
Department of Psychology, Sungkyunkwan University
Research Assistant (Advisor: Prof. Min-Suk Kang)

Seoul, Republic of Korea
Feb. 2015 – Aug. 2018

- 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
Intern (Advisor: Prof. Jun-Yeol Lee)

Suwon, Republic of Korea
Jun. 2016 – Jul. 2016

- Participated in pilot project on smooth pursuit eye movement and memory. Ran behavioral experiment with eye-tracker and presented result by poster.

AWARDS

Data Science Competition 2019,
Naver Corporation & Seoul National University
Third Place (among ~2,000 competitors)

Republic of Korea
Apr. 2019 – Aug. 2019

- Purpose: to make creative financial portfolio strategy based on data science
- Designed personalized portfolio optimization method that overcomes disposition effect.

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 — Seoul, Republic of Korea
Brain, Mind, and Behavior (PSY3013-01) — 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: October 1st, 2019