BYUNG-IL OH

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EDUCATION

Sungkyunkwan University — Republic of Korea, 2019

- 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. http://dx.doi.org/10.1037/xlm0000722
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*. https://doi.org/10.3389/fpsyg.2016.00585

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. Abstract published in *Journal of Vision*, *17*(10), 350.

RESEARCH EXPERIENCES

Visual Cognitive Neuroscience Lab, — Seoul, Republic of Korea, Feb. 2015 – Aug. 2018
Department of Psychology, Sungkyunkwan University
Research Assistant (Advisor: Prof. Min-Suk Kang)

- 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, — Suwon, Republic of Korea, Jun. 2016 – Jul. 2016
Center for Neuroscience Imaging Research, Institute of Basic Science
Intern (Advisor: Prof. Jun-Yeol Lee)

- 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, — Republic of Korea, Apr. 2019 – Aug. 2019
Naver Corporation & Seoul National University
Third Place (among 2,000 competitors)

- 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 — Republic of Korea, Oct. 2018 – Present
Administrative Specialist

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

Extra-Curricular Activities

Student Club Activities, Sungkyunkwan University — Seoul, Republic of Korea, Apr. 2014 – Nov. 2017
Cognitive Psychology Student Club

- Participated in project on memory, attention, consciousness, face recognition, motion perception, time perception, and navigation.
- Organized club funding and made decision on project 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. Entered competition of recommendation system.

Class Mentoring Activities, Sungkyunkwan University — Seoul, Republic of Korea, Fall 2016
Brain, Mind, and Behavior (PSY3013-01)

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

Perception (PSY3008-01) — Spring 2015

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

Last Updated: September 27th, 2019