SUNGJOON PARK

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EDUCATION

University of Waterloo, Canada *Sept 2013 - Dec 2019*
Bachelor of Arts in Psychology
Minor in Philosophy
Minor in Cognitive Science

RESEARCH INTEREST

Mental Model (belief) Updating, Decision Making, Reinforcement Learning, Computational Methods, Consciousness

TECHNICAL SKILLS

Programming:	Python, R
Software & Tools:	**Python:** Psychopy, Pandas
	R: Tidyverse, ggPlot2, lme4
	Others: Linux, Terminal, git, Microsoft Office, LaTeX
Languages:	English, Korean

PROJECTS (ALL AVAILABLE IN GITHUB)

Mental Model Updating and Pupil Response (Work in Progress)
- Undergraduate Thesis Project (Supervisor: Dr. Britt Anderson)
- Investigate the relationship between mental model updating, confidence and pupil response
- Implementation of CRS ltd. LiveTrack eye tracking system
- Experiment independently coded with Python (Psychopy)
- R data cleaning, prepossessing and analysis

Mixed Effect Linear Modeling With Wisdom Diary Data
- A directed studies project (Supervisors: Dr. Igro Grossmann, and Dr. Anna Dorfman)
- Exploratory data analysis of a data set from a diary study which investigated how people internalize events when writing a diary in a self-centered (first person) or a self-distanced (third person) perspective
- Focused on the application of R and the lme4 package
- Applied semantics (polarity) analysis with qdap package

WORK/SERVICE EXPERIENCE

Britt Anderson Group, University of Waterloo *Sept 2018 - Present*
Research Assistant
- Performing experimental protocol, collecting data (operating SR Research EyeLink 1000 Plus), and assisting in data analysis.
- Probabilistic Adaptation and Voluntary Attention: Project investigated whether biasing through spacial probability learning can influence voluntary spatial attention with the Tse illusion.
- Mental Model Updating and Eye Movement Metrics: Project investigating the relationship between mental model updating and eye movements such as dwell duration and saccade latency.
- Troubleshooting hardware (eye tracker, monitor display)
- Troubleshooting code (Python, R)

The 26th Armoured Battalion, Republic of Korea Army *Dec 2015 - Sept 2017*
Logistics Transportation and Translator
- Operating military trucks.
- Field translation during joint U.S.A. and South Korean military exercises.
- Translating Korean documents to English.
- Live translation for foreign delegates.