

# Jeesung Ahn

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## EDUCATION

**University of Pennsylvania**, Ph.D. Candidate in Psychology, *Philadelphia, PA* Aug 2019 – *expected* May 2024  
M.A. in Psychology, *Philadelphia, PA* Aug 2019 – Aug 2021  
**Yonsei University**, M.S. in Cognitive Science and Engineering, *Seoul, South Korea* Mar 2016 – Feb 2018  
**Korea University**, B.A. in Psychology & B.S. in Brain and Cognitive Sciences, *Seoul, S Korea* Mar 2011 – Aug 2015

## SELECTED EXPERIENCE

**Doctoral Researcher in Psychology** | University of Pennsylvania, *Philadelphia, PA* Aug 2019 – Present

**Areas of Expertise:** *experimental psychology, social neuroscience, persuasion (e.g., message design), neuroimaging, brain networks, social networks, health behaviors (e.g., physical activity), mental well-being (e.g., loneliness)*

- Lead multiple research projects as a core member of a \$5 million multi-disciplinary research initiative. Closely collaborate with 80+ cross-functional researchers from 7+ institutions and 23+ affiliations.
- Create, manage, document, and troubleshoot the lab-wide data preprocessing and analytic pipeline, mainly using Python and R on JupyterHub to ensure reproducible and transparent data management.
- Currently working on 7+ first-authored papers to publish. Gave various conference and departmental presentations to audiences of different sizes and backgrounds (e.g., an award-winning talk at the Social Affective Neuroscience Society 2021, annual grant progress meetings with U.S. Army Research Office).

**Consultant** | Penn Biotech Group Healthcare Consulting, *Philadelphia, PA* Sep 2022 – Present

- Conduct fast-paced research and literature review to provide weekly deliverables for a biotherapeutic company in regard to the market landscape and partnership opportunities for novel cancer therapy.
- Communicate with stakeholders in healthcare and lead in-depth qualitative interviews with oncologists.

**Data Analyst** | Penn Mind Sciences Diversity and Equity Initiative, *Philadelphia, PA* Mar 2022 – Present

- Hosted a graduate school preview event to mentor underrepresented minority students to successfully pursue their career goals in science.
- Designed surveys (Qualtrics) to quantitatively measure their experience at the event. Wrangled and analyzed pre- and post- event survey data. Visualized event outcomes using R (tidyverse, ggplot2, wordcloud, R Markdown). Provided event organizers actionable advice on what aspects of the event should be maintained or improved. Qualitatively reviewed and text-analyzed participants' written feedback.

**Data Scientist** | Penn Data Science Group, *Philadelphia, PA* Feb 2022 – May 2022

- Wrangled and analyzed climate data in the greater Philadelphia area. Worked in a cross-functional team to create interactive geographical maps that depict air quality and relevant health outcomes. Clients included climate activists and climate researchers.

**Teaching Assistant** | University of Pennsylvania, *Philadelphia, PA* Jan 2021 – Dec 2021

- Worked one-on-one with 50+ students to provide mentorship for their study plans.
- Created student evaluation tools. Graded and provided qualitative feedback on student essays.

**Research Consultant** | Team Quantum Labs, *Seoul, South Korea* Mar 2016 – Feb 2018

- Directed an award-winning behavioral and neural-level A/B testing designed to examine the cognitive benefits of using a neurostimulation device developed by a start-up company.

## SKILLS SUMMARY

**Research:** 7+ years of extensive experience with leading human psychology and neuroscience research projects in collaboration with cross-functional teams (e.g., physicians, engineers, mathematicians, start-up founders).

- **Skills:** Experiment and survey design (including A/B testing) | Project management | Data collection (survey, behavior, neuroimaging) | Data wrangling | Data visualization | Literature review | Cross-functional collaboration | Mentoring | Evidence-based critical thinking and problem-solving
- **Statistics:** Descriptive, parametric, non-parametric, and multivariate statistics | General linear modeling | Multi-level modeling | Time-series analysis | Computational network analysis | Machine-learning classification | Meta-analysis of multi-dimensional datasets | Text analytics | Qualitative coding and content analysis

**Verbal & Written Communication:** 3 first-authored papers published in peer-reviewed journals | 10+ working papers (6+ first-authored) | 15+ conference presentations | Proficient in data visualization

**Programming & Research Tools:** Python, R, SQL, MATLAB, SPSS, Microsoft Office, Jupyter, Git

**Languages:** English, Korean, Japanese