

# TAEJIN HWANG

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## EDUCATION

### University of Michigan, Ann Arbor

*Master of Science in Biostatistics*

**Michigan, United States**

*August 2021 ~ April 2023*

### Sogang University

*Bachelor of Business Administration*

**Seoul, Korea**

*March 2014 ~ February 2020*

- Merit-based scholarship in 2017 and graduated magna cum laude
- Beta Gamma Sigma, international business honor society

### Daewon Foreign Language Highschool

*Chinese major*

**Seoul, Korea**

*March 2009 ~ February 2012*

## PROJECTS

### University of Michigan, Ann Arbor

*Research Assistant*

**Michigan, United States**

*August 2021 ~ April 2023*

#### A two-stage clinical trial for ND314 on Multiple Myeloma

- Led a two-stage clinical trial evaluating the efficacy of ND314, a novel multiple myeloma drug, against the standard of care
- Devised a trial strategy incorporating permuted block randomization, double-blinding, and early termination criteria, leveraging compelling evidence to favor one treatment option

#### Investigating the Association of Dementia and Depression

- Cleaned and retrieved United States dementia data collected by the National Alzheimer's Consulting Center
- Tested the association between dementia and depression using the proportional odds model; first added the depression into the model, then sequentially adjusted for demographic and genetic variables
- Performed the proportionality assumption test for the baseline regression model

#### Relationship between BMI and average systolic blood pressure

- Cleaned data obtained from the National Health and Nutrition Examination Survey (NHANES) program at the Centers for Disease Control and Prevention (CDC)
- Explored the association between BMI and average systolic blood pressure through analyzing several models, including an unadjusted model and an adjusted model with an interaction term
- Found the association between BMI and average systolic blood pressure is confounded by the interaction between BMI and race

#### Time trends of academic performance by geographical environment within the United States

- Utilized advanced statistical techniques, such as linear mixed models, to investigate variations in academic success trends across diverse geographical environments within the United States
- Revealed significant regional disparities in GPA trends, with minimal distinctions between urban and rural classifications, providing valuable insights into educational disparities

## WORK EXPERIENCE

### QPI (Online social dating service)

*Data Analyst, Cofounder*

**Seoul, Korea**

*June 2020 ~ August 2021*

- Executed A/B testing, meticulously analyzed Voice of Customer (VOC) data and successfully attained a 92% user retention rate through strategic optimization of post-user experience, thereby fostering heightened customer loyalty
- Developed an admin website for efficient customer data retrieval, prioritizing an intuitive interface design with quick onboarding
- Improved operational efficiency by centralizing disparate databases into a relational database, resulting in an 80% reduction in the time required for matching operations
- Explored potential partnerships and coordinated marketing events in partnership with WeWork Korea Seoul Square, resulting in a 160% increase in user acquisition

### Sports Intelligence (Sports consulting company)

*Business Analyst*

**Seoul, Korea**

*January 2018 ~ February 2018*

- Consulted and executed strategic marketing approach for the SK Knights basketball team, with a primary focus on targeting pregnant women during National Family Month, May, resulting in increased brand visibility

## LEADERSHIP AND ACTIVITIES

### WAVB (Sogang University management consulting association)

*Education Team Leader*

**Seoul, Korea**

*March 2017 ~ December 2017*

- Collected case interview questions and guesstimation problems, and created new ones based on them for educational purposes
- Scheduled sessions, organized the timetable, and contacted alumni to arrange field-specific educational sessions
- Participated in the CU Application MAU(monthly active user) Enhancement Strategy Competition and secured 3rd place

### Republic of Korea Airforce

*TOEIC teacher*

**Gangneung, Korea**

*January 2015 ~ July 2016*

- Complied with the unit's request by serving as an instructor for TOEIC exams, a requirement for promotion of non-commissioned officers, and received a vacation as compensation

## ADDITIONAL INFORMATION

### Computer

Python, SQL, R

### Languages

Native in Korean, Fluent in English, Basic in Mandarin