

# Donggyu Kim

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## Education

### University of California, Los Angeles

Sep. 2020 – Jun. 2024

– B.S. in Statistics and Data Science

*Relevant Coursework: Computation & Optimization, Monte Carlo Method, Statistical Models and Data Mining, Text Mining, Pattern Recognition and Machine Learning.*

### Foothill College

Apr. 2018 – Jun. 2020

## Work Experience

### Bax Intelligence | Seoul, South Korea

Jun. 2023 – Aug. 2023

Data Analyst

- Analyzed and organized complex datasets to streamline operations.
- Developed a system for forecasting sales metrics, enhancing strategic advice.
- Conducted statistical validation for predictive analytics reliability.
- Applied capsule network techniques in psychological profile analysis.

### Camp Humphreys – 2nd Infantry Division | Pyeongtaek, South Korea

May 2021 – Nov. 2022

Automated Logistical Specialist

- Managed G-Army system and warehouse operations in collaboration with the U.S. Army.
- Served as an interpreter and translator between Korean and US military personnel.

## Teaching Experience

### Pass the Torch – Foothill College | Los Altos, CA, United States

Jan. 2019 – Dec. 2019

Calculus Tutor

- Prepared and delivered Calculus tutorials to enhance peer understanding.
- Engaged in weekly seminars to refine teaching methods.
- Introduced interactive problem-solving, leading to every student showing improvement in their grades.
- Customized support for diverse learner abilities, boosting confidence and performance.

### Silicon Valley Korean School | Cupertino, CA, United States

Apr. 2018 – Jul. 2018

Assistant Teacher

- Taught Korean to middle school students, focusing on engaging teaching strategies.
- Tailored tutoring sessions to individual student needs.
- Co-organized cultural exchange events, deepening students' cultural appreciation.

## **Publications**

### **How A.I. Can Help Reduce Mispredictions of Election Results**

- Status: Submitted for review to the *Journal of Survey Statistics and Methodology* in January 2020.
- Abstract: Conducted a literature review and analysis on the application of A.I. in improving the accuracy of election surveys. This research underscores the potential of Data Science in enhancing predictive models and methodologies in political science.

## **Skills**

**Programming Languages:** R, Python, SQL ,C++

**Tools & Technologies:** Proficient in data analysis and statistical software, and applying Python in machine learning applications.

## **Languages**

English: Fluent

Korean: Fluent