

Sabina Inouye

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EDUCATION

Bachelor of Arts, Elon University | Elon, NC

Majors: Statistics and Sociology; Minor: Mathematics

Academic Study Abroad: Vietnam

Honors: President's List, Dean's List Fall

May 2024

GPA: 3.53

SKILLS

Computer: SAS, IBM SPSS, R, Microsoft Word, Excel, and PowerPoint

Language: French (intermediate), Vietnamese (conversational)

STATISTICAL ANALYSIS PROJECTS

Attitudes of Atheists – Dr. Raj Ghoshal - *Advisor*

February – May 2023

Spring Undergraduate Research Forum (SURF)

- Analyzed previously collected data on the beliefs of 8,351 participants identifying as atheists
- Reviewed publications on religious believers' attitudes towards atheists
- Reported correlations and percentages on morality, religion's impact, and psychological health of atheists
- Presented research project at Spring Undergraduate Research Forum (virtual due to COVID)

Cone Health: Nutrition and Diabetes Education Services Survey

Fall 2022

Survey Sampling Methods Project

- Consulted with coordinator to assess needs of residents with diabetes in Burlington, NC
- Designed and administered a survey to diabetes patients in desired population
- Presented research findings via formal oral presentation to Alamance Regional

The Effects of Sample Size on Statistical Significance in Two-Sample Proportion Tests

Summer 2022

Independent Research Project

- Examined previously collected data on cognitive development of nine and fourteen-month old infants
- Conducted simulations by increasing the sample sizes using R
- Identified recommended sample sizes for yielding statistically significant results at varying levels of alpha

Predicting the Probability of Diabetes Based on Lifestyle

Spring 2022

Statistical Modeling Project

- Interpreted results about diabetes from given data set
- Performed transformations to meet assumptions
- Generated a predictive model using logistic regression

LEADERSHIP EXPERIENCE

Elon Volunteers! JDRF Coordinator

Fall 2021 – Present

- Act as liaison between Piedmont Triad Chapter of JDRF and Elon community in development of annual Burlington Walk to Cure Diabetes
- Present information about diabetes awareness through tabling at campus events
- Recruit volunteers to staff the Walk

Campus Recreation & Wellness: SPARKS Peer Educator

Spring 2022 – Spring 2023

- Promote health and wellness through education, awareness, and collaboration with community partners
- Lead student support group by connecting with students through conversations about health and wellness challenges and solutions to address them
- Work with student organizations to promote health and wellness in students' communities

CAMPUS INVOLVEMENT

Asian-Pacific Student Association – *Event Coordinator*

Fall 2022 – Present

Women's Club Soccer

Fall 2021 – Present

Elonthon Dance Marathon – *Morale Committee*

Spring 2022

Sociology and Anthropology Department – Elon University – *Student Assistant*

Fall 2021 – Spring 2022

- Assisting in research related tasks such as transcribing and processing data
- Develop and maintain departmental website
- Tracking alumni data