

Arham Salman
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EDUCATION & BACKGROUND

The University of Texas Health Science Center Houston | GPA: 4.0/4.0 Aug 2024 – May 2026
Master of Science in Biostatistics & Data Science | Coursework: Intermediate Biostatistics, Epidemiology.
The University of Texas at Austin | GPA: 3.4/4.0 Aug 2020 – May 2024
Bachelor of Science in Public Health | Coursework: Data Science, Public Health, Calculus, Linear Algebra, Intro to Programming.

RESEARCH EXPERIENCE

UTMB Summer Institute of Biostatistics & Data Sciences Jun 2023 – Jul 2023
Research Intern

- Conducted team research under National Institute of Health (NIH) funded program and determined crucial biomarkers and how their relationship with household income has implications on the development of cardiovascular disease through literature review, exploratory analysis, logistic regression, and machine learning algorithms using R.
- Adjusted for age, gender, BMI, and race and found significant difference in blood pressure and HBA1C levels among rich and poor household incomes.

SHIFT – The University of Texas Jan 2023 – May 2023
Research Intern

- Performed literature review concerning adolescent drinking habits and developed a survey to determine key stakeholders in Austin to contact about substance and alcohol use among college students.
- Collected over 100 responses through Qualtrics from students on campus and created data visualizations through Excel to present findings.

PROJECTS

- Navajo Indian Reservation Intervention Program:** Led research and interviewed Navajo Indians living on reservations to create health interventions such as water filtration devices and community gardens that improved living conditions. Presented findings to board members of the Texas Department of State Health Services (DSHS).
- Measure of NBA Wins Through Numerical Metrics:** Analyzed the impact of NBA player LeBron James on his team's success from 2003- 2020 based off points and assists per game through multivariate ANOVA analysis and linear regression models. Results showed a significant positive difference in wins per game when LeBron played.
- Soccer Team Performance Data Analysis:** Conducted comprehensive analysis of soccer statistics from top 5 European leagues using data tidying, dplyr wrangling, k-means clustering, PCA reduction, and logistic regression. Identified top goal-scoring efficiency and defensive stability through goals scored and conceded, revealing Bayern München as the most well-rounded team over the 5-year period based on key performance indicators.

LEADERSHIP & COMMUNITY INVOLVEMENT

Society of Asian Scientists and Engineers (SASE) Texas Jan 2022 – May 2024
Family Head

- Organized and led weekly social events for over 40 individuals, tailored to their diverse interests and schedules.
- Created and captained SASE Intramural Basketball Team with over 20 players and a player for SASE Intramural Volleyball Team that helped lead our team to playoffs by averaging 3 points a game.

Texas Muslim Student Association (MSA) Jan 2023 – May 2023
Data Analyst

- Utilized Microsoft Excel to analyze Instagram insights to predict trends and determine areas of engagement to capitalize on with marketing team, gaining 150+ followers within a semester.
- Attended leadership programs and volunteered to serve dinner during Ramadan and promoted inclusivity by reaching out to and befriending new members.

WORK EXPERIENCE

HEB Deli Sep 2024 - Present
Cook

- Work 25+ hours a week to cook over 100 rotisserie and other chicken cuts products per shift. Provide excellent customer service and perform efficient communication with partners to maximize deli output.

SKILLS

Technical /Computer Skills: R, STATA, touch typing (94 WPM), Microsoft Word, Microsoft Excel, Python
Languages: Fluent in Urdu and English