

Hajar Ahmed

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EDUCATION

University of Minnesota

Bachelor of Science, Statistics

May, 2025

Minneapolis, MN

- **GPA: 3.9/4.0;** Dean's List
- Minor in Computer Science and Mathematics

WORK EXPERIENCE

University of Minnesota School of Statistics

Data Analyst Intern

Jun. 2024 – Aug. 2024

Minneapolis, MN

- Collaborated with a team of undergraduate consultants to support graduate-level research through multivariate statistical analysis.
- Used RStudio and Excel to clean, organize, and analyze data, enhancing the accuracy and clarity of statistical findings.
- Helped prepare results in a readable format for academic reporting.

University of Minnesota Institute for Social Research and Data Innovation

Research Assistant

Oct. 2022 – Dec. 2022

Minneapolis, MN

- Reviewed 300 confidential survey responses from a cohort study and logged them into an electronic database to allow experts to pull research findings from the database.
- Re-examined the data quality of hundreds of data entries with a team of research assistants to produce research findings supported by high quality data.

PROJECTS

MinneMUDAC 2025 Data Science Competition

- Placed 1st in the undergraduate division for significant Insights for Big Brothers Big Sisters Twin Cities
- Collaborated with three students to conduct statistical procedures, including survival analysis, log rank-based tests, sentiment analysis, hyperparameter tuning, and fitting regression gradient boosting models.
- Presented findings to hundreds of industry professionals across the nation and the CEO of Big Brothers Big Sisters Twin Cities.

SARIMA Crime Forecasting

- Automated multiple SARIMA models and conducted cross-validation to select the best model based on performance metrics.
- Communicated actionable insights on data-informed interventions to 30+ undergraduate students showcasing seasonal crime pattern analysis.

EXTRACURRICULARS

Undergraduate Statistics Reading

Jan.2024 – Apr. 2025

- Discussed 10 Academic statistical papers regarding non-parametric methods, genomics models, Astrostatistics, and gradient boosting tree-based methods statistical academic literature with a variety of PhD and undergraduate statistics students.

SKILLS & INTERESTS

- **Technologies:** Python, SQL, Git, R, Java, Tableau, Microsoft Excel, LaTeX.