

JOANN JUN

joannjun01@gmail.com | 860-951-4609 | <https://www.linkedin.com/in/joann-jun/> | <https://joannjun.github.io/>

EDUCATION

University of Connecticut , College of Liberal Arts and Sciences Bachelor of Science, Major: Statistical Data Science Minor: Mathematics GPA: 3.779/4.00	Storrs, CT <i>August 2022 – Present</i>
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Related Coursework: Statistical Programming, Applied Linear Regression in Data Science, Intro to Data Science, Design of Experiments, Statistical Methods, Intro to Mathematical Statistics, Probability, Intro to Statistical Learning, Statistical Computing

Awards: Dean's List (Fall 2022 & 2023)

PROFESSIONAL EXPERIENCE

UnitedHealth Group Bridges to Healthcare Technology Program <i>Data Analyst Intern</i>	Pittsburgh, PA <i>June 2025 – July 2025</i>
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- Analyzed U.S. county-level maternal and mental health data to identify patterns and disparities, including BMI, prenatal care visits, and mental health provider density.
- Conducted exploratory data analysis with choropleth maps, boxplots, and correlation matrices to visualize regional disparities and feature relationships.
- Built predictive models using XGBoost, Random Forest, and K-Nearest Neighbors; evaluated model performance using RMSE/MAE and interpreted variable importance.
- Applied quasi-Poisson regression to identify significant predictors of poor mental health days, highlighting social determinants such as loneliness and lack of support.
- Presented findings to 40+ mentors, professors, and peers at Carnegie Mellon University, providing actionable insights on healthcare equity and community-level interventions.

PROJECTS & EXTRACURRICULARS

Investigating Student Performances by Engagement Time <i>Presented at ASA DataFest Wesleyan Quantitative Analysis Center</i>	Middletown, CT <i>April 2024</i>
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- Analyzed large-scale student engagement data from coding learning website using **R** and **Python**.
- Built predictive visualizations linking engagement metrics to academic performance.
- Presented results to data sponsors; recognized for innovation and teamwork.

Dengue Fever <i>Presented at University of Connecticut</i>	Storrs, CT <i>May 2025</i>
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- Analyzed environmental and temporal factors influencing dengue fever cases using datasets with 24 features, including temperature, humidity and NDVI.
- Conducted exploratory data analysis with trends, city-level distributions, and correlation matrices.
- Built predictive models using XGBoost and Random Forest to forecast weekly dengue cases.

Joint Statistical Club (JSC) <i>Vice President</i>	Storrs, CT <i>April 2025 – Present</i>
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- Lead meetings and coordinate skill-enhancement workshops for 20+ members, fostering growth in statistical competencies while connecting with faculty, graduate students, and professional opportunities.
- Represent club at conferences, including Data Science Day, Sports Analytics Symposium, and Statistics in Pharmaceuticals hosted by the New England Statistical Society.

Treasurer	<i>August 2024 – April 2025</i>
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- Showcased strong leadership acumen through effective collaboration with fellow student leaders to implement innovative fundraising strategies.
- Yielded a 30% surge in raised funds compared to the prior year.

VOLUNTEER

NextGen Data Science Day Conference <i>Department of Statistics, University of Connecticut</i>	Storrs, CT <i>September 2023</i>
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- Assisted with conference registration.

PROFICIENCIES

Languages and Tools: R, Python, SAS, Git, GitHub, Quarto, Minitab, Excel, SQL
Statistical Techniques: Regression, Machine Learning (XGBoost, Random Forest, KNN), Experimental Design, Data Visualization
Productivities: Microsoft Office, Google Workspace, Canva