

JOANN JUN

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EDUCATION

University of Connecticut , College of Liberal Arts and Sciences Bachelor of Science, Major: Statistical Data Science Minor: Mathematics GPA: 3.797/4.00	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>
<ul style="list-style-type: none">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>
<ul style="list-style-type: none">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>
<ul style="list-style-type: none">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>
<ul style="list-style-type: none">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.	
<i>Treasurer</i>	<i>August 2024 – April 2025</i>
<ul style="list-style-type: none">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>
<ul style="list-style-type: none">Assisted with conference registration.	

PROFICIENCIES

Statistics and Data Analysis: R, Python, Git, GitHub, Quarto, SAS, Excel, Minitab, SQL
Productivity: Microsoft Office Suite, Google Workspace, Canva