



Amy Scholl

Statistician

Organized, communicative, and goal-oriented statistician interested in pursuing a Doctor of Philosophy in statistics. Highly skilled in advanced statistical models, data analysis, technical writing, and client relations.

About

CONTACT

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[LinkedIn](#)

EDUCATION

Penn State University

M.S. in Applied Statistics
August 2022 – May 2024
GPA: 3.67

Penn State University

B.S. in Statistical Modeling Data Sciences
B.S. in Applied Statistics
Minors in Business and Mathematics
August 2020 – May 2024
GPA: 3.66

Campus Involvement

- Statistical Consulting Center
- Statistics Graduate Student Mentors
- Mu Sigma Rho National Statistics Honorary Society
- Penn State Homecoming
- Penn State Dance Marathon THON
- Sports Analytics Club
- Statistics Club

PROGRAMS AND LANGUAGES

- R
- SAS
- SQL
- Excel
- Epic
- Python
- Power BI
- Minitab
- Azure Databricks

SKILLS

- Predictive Analytics
- Project Management
- Communication
- Client Relations

Work Experience

PENN MEDICINE

Transplant Statistician in Penn Transplant Institute

August 2024 – Present

- Create usable dashboards for managers and medical and surgical directors to track transplant volumes, metrics, and key performance indicators.
- Create up-to-date transplant waiting list risk adjustment models in deceased donor transplant rate and pre-transplant mortality rate that replicates the 5-tier Outcome Assessment of the Scientific Registry of Transplant Recipients utilizing data from the United Network for Organ Sharing.
- Work with clinicians, regulatory, and managerial staff to aid in maintaining compliance with the Centers for Medicare & Medicaid Services.

PENN STATE

Graduate Course Grader in Department of Statistics

August 2022 – Present

- Aid struggling students, grade fifteen weekly homework assignments, and provide constructive feedback for students.
- Previously filled the same role for seven courses in five semesters in both undergraduate and graduate curricula.

SPONSORUNITED

Sponsorship Scout Intern in Philadelphia Market

May 2022 – August 2022

- Consolidated data and provided six presentations on digital sponsorships collected from official team websites.
- Scouted over 100 mixed-media sponsorships at Lincoln Financial Field for Eagles 2022 Open Practice to aid the Philadelphia Eagles in understanding their advertisers.

Research Interests and Projects

RESEARCH INTERESTS

- Sports Statistics
- Bayesian Statistics
- Educational Statistics
- High Dimensional Data Analysis

PROJECTS

RecallNET

August 2023 – December 2023

- Motivated by a passion for healthcare, designed a deep learning model that predicts and classifies stages of Alzheimer's using structural MRIs utilizing Python.
- With a specific purpose of reducing false negative diagnoses, conceptualized a model using frameworks and evaluation metrics.

Tomato Data Analysis

August 2023 – December 2023

- Directed and partnered with a team through client meetings to aid a Penn State Plant Science Researcher to understand their raw data.
- Analyzed tomato cultivar data in SAS to produce a report in a faster-than-average turnaround time of four weeks, for use by farmers interested in consumer opinions.

World Series Prediction

January 2023 – May 2023

- Created a simulation of 2023 MLB Playoff contenders to determine 2023 World Series winners based on data from the 2022 MLB season in Python and R.