

Dane Winterboer

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Education

Masters of Science in Data Science and Analytic Storytelling

May 2026

Truman State University

Bachelor of Science in Statistics (Concentration in Data Science), Minor in Mathematics

May 2025

Truman State University

GPA 3.96/4.00

Skills

Academic Coverage: Project Management, Data Visualization, Interactive Analytics, Analytical Storytelling, Predictive Modeling, Machine Learning

Softwares: RStudio, SPSS, Minitab, Power BI, Excel, Microsoft Office Applications, Google Suite, Adobe Suite

Coding: C++, SQL, R, Python, tidyverse, ggplot, HTML, Git, Pyspark, ScikitLearn, TensorFlow, Seaborn, Plotly

Professional Experience

Data Reporting Developer Intern

June 2024 – August 2024

Valera, Remote

Enhanced fraud identification machine learning models through feature drift detection

- Utilized nonparametric methods and metrics that detect drift regardless of data size or shape
- Leveraged parallel and distributed computing to optimize function run time
- Automated the exportation of drift detection reports (readable and reachable by any device in the organization)
- Implemented interactive tables and features into reports to increase readability and data accessibility

Tech and Data Specialist

2023 – Ongoing

University Career Center, Truman State University

Developed reproducible reports and integrated technology to increase efficiency and productivity

- Analyzed and reported on qualitative and quantitative data for organizational strategic decision making
- Produced clear and understandable reports regarding University Career Center data for President's office
- Maintained and organized Career Service Manager reports, kiosks, calendars, and student information
- Designed and upgraded data intake methods: surveys, kiosks, QR trackers, etc.

Undergraduate Research & Projects

University Career Center Applet for Student Service Statistics

2023 – 2024

Truman State University

Increased organization reporting efficiency, validity, and accessibility

- Constructed a R-shiny applet that cleaned, organized, and visualized student service data gathered by the University Career Center
- Manufactured application to be scalable to other data sets that are under University Career Center authority
- Restructured data intake methodology for University Career Center
- Met client specific needs: interactive graphics, color blind accessibility, downloadable tables and data sets

Testing Training Methods for Aphasia Patient Interactions

2023 - Ongoing

Center for Applied Statistics and Evaluation, Truman State University

Provided expert statical consulting to primary researchers

- Aided researchers in designing experimental and testing methodology
- Researched appropriate non-parametric tests and corrections
- Preformed content analysis for interviews and open response questions from medical students and patient actors
- Visualized and tabulated all results into clean, understandable output for publication

Extracurriculars

- President of Truman's American Statistical Association Chapter: Facilitated organizational meetings and fostered community within the School of Computer and Data Sciences at Truman State
- MizzouData Fest: Awarded Best-In-Show (2024)
- Bulldog Babble (KTRM Talk Show Host): Organized weekly talk show with a new guest or campus organization