Christopher Mason Womble

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Education

MAY 2025 | UNIVERSITY OF TEXAS AT DALLAS
Master of Science – Social Data Analytics and Research
GPA: 3.806
- Relevant skills: Python, R, SQL, Stata, Qualtrics, Shiny

DECEMBER 2022 | BAYLOR UNIVERSITY
Bachelor of Arts – Sociology
GPA: 3.92
- Dean's List: Fall 2020 – Spring 2022
- Relevant skills: SPSS Statistics, Microsoft Office Suite (Word, Excel, PowerPoint, Outlook)

Experience

WOMBLE FEED AND GROCERY | MAY 2018 – AUGUST 2022
- Worked summers and weekends at a family-owned business.
- Responsibilities included loading feed, operating the register, restocking inventory, balancing cash registers, and making daily deposits.

BEAR NECESSITIES | BAYLOR UNIVERSITY, WACO | 2021 – 2022
- Volunteered for food drives and public service events promoting general welfare.

Projects

MEDICAL DEVICE RESEARCH
- Collaborated on research of recall rates for pancreas-related medical devices.
- Used Python and R for data collection, analysis, and visualization.
- Produced comprehensive reports identifying trends and regional patterns of recalls.

HEALTH MISINFORMATION RESEARCH
- Conducted text analysis of news articles to identify keywords linked to misinformation.
- Employed R for Natural Language Processing (NLP), including sentiment analysis and topic modeling.
- Delivered insights through detailed reports and visualizations to inform public health communication.

ECONOMICS AND ELECTIONS RESEARCH
- Explored the relationship between U.S. presidential elections and sector-specific market returns and volatility using a custom panel dataset.
- Used R for data manipulation, visualization (ggplot2, heatmaps), and financial metrics computation (e.g., alpha, beta, Sharpe Ratio).

- Created and analyzed 10,000 simulated investment portfolios across different presidential administrations.
- Developed an interactive dashboard and multiple visual tools to support investment insights for short- and long-term decision-making.

Technical Skills

Languages & Tools: Python, R, SQL, Stata, SPSS, Qualtrics, MS Office
Techniques: Data Analysis, Visualization, NLP, Text Mining, Statistical Modeling

Organizations

TAU SIGMA | MARCH 2021 – PRESENT
- Member of national honor society recognizing academic excellence in transfer students.
- Active participation in events and community service.

ETA SIGMA PHI | MARCH 2021 – PRESENT
- Classical studies honor society; recommended by faculty for membership.
- Involved in meetings, academic events, and volunteer activities.

BAYLOR TABLETOP CLUB | NOVEMBER 2021 – DECEMBER 2022
- Helped organize and coordinate weekly and monthly club events.