KOLBY BRINK

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SUMMARY

Data Analyst skilled in Python, R, SQL, Power BI, & Tableau. Delivered insights and process improvements by automating workflows, developing dashboards, creating custom apps, and performing statistical analytics. Strong background in data analysis, data science, data governance, technical reporting, public presenting, and cross-functional collaboration.

EXPERIENCE

Data Analyst / Quantitative Analysis Research Core - Omaha, NE *09/2024 - Current*

- Analyzed biomechanics and clinical time-series data with R, MATLAB, and Python to deliver insights.
- Built 5+ interactive dashboards in R and Power BI to support faster decisions by non-technical users.
- Wrote 6+ technical reports using time-series forecasting, regression, and dimensionality reduction on sensor and clinical data.
- Developed a React app to automate preprocessing and reporting, cutting analysis time by 30% (measured with benchmarks).

Graduate Research Assistant / University of Nebraska Omaha - Omaha, NE *07/2020 - 08/2024*

- Ran full data workflows: collected sensor data, cleaned in R/MATLAB, and ran stats (t-tests, ANOVA, mixed models).
- Led quantitative analysis for biomechanics research projects, transforming raw movement data into interpretable insights; results were included in peer-reviewed publications and national conference presentations.
- Mentored junior researchers on reproducible data practices using Git, RMarkdown, and Jupyter Notebooks.
- Authored and co-authored 8 publications (including in *PNAS*), translating complex findings into accessible narratives for both academic and applied audiences.

EDUCATION AND TRAINING

Google Business Intelligence Certificate *05/2025*

Master of Science: Biomechanics *08/2020 - 08/2022*
University of Nebraska at Omaha - Omaha, NE

Bachelor of Science: Kinesiology & Biomedical Engineering *08/2016 - 05/2020*
Boise State University - Boise, ID

SKILLS

Programming & Data Analysis

- Python, (pandas, Numpy, scikit-learn, TensorFlow)
- R (dplyr, ggplot2, lubridate, lme4, caret)
- MATLAB
- SQL

Data Visualization & Reporting

- Power BI, Tableau, Shiny, Excel, Jupyter

Data Engineering & ETL

- Data Cleaning, ETL Pipelines, Google Cloud Platform (BigQuery, DataFlow)

Statistical Methods & Modeling

- T-tests, ANOVA, Linear Mixed Models, Time Series Analysis, Forecasting, Bayesian Statistics

Tools & Collaboration

- Microsoft Office Suite
- GitHub, GitBash
- Jupyter Notebooks, RMarkdown
- Cross-Function Collaboration