JULIAN MERCER

DATA SCIENTIST WITH NO EXPERIENCE

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PROFESSIONAL SUMMARY

Aspiring Data Scientist with 1+ years of internship, research assistant, and project experience in retail and public-health data. Comfortable with Python, SQL, and basic modeling, and looking for a first full-time role to apply careful analysis on real business questions.

CORE SKILLS

Python | SQL | R | pandas | scikit-learn | Linear regression | Logistic regression | k-means | Data cleaning | Streamlit | Matplotlib | Git | Statistics | Excel

PROFESSIONAL EXPERIENCE

Data Science Intern Jun 2025 - Aug 2025
Kroger, Cincinnati, OH

- Cleaned 1.2 million loyalty-card transactions in Python and grouped shoppers into four segments with k-means, shared in a final team presentation.
- Wrote SQL queries to pull weekly sales by store for an analyst, checking totals against the finance report before sending.
- Built a simple linear regression of promotion timing against sales and noted its weak fit instead of overstating the result.
- Presented the segments to a team of eight analysts and answered questions about method, data quality, and what the clusters did not show.
- Documented the cleaning steps in a notebook with plain comments so the team lead could rerun every result.

Undergraduate Research Assistant Sep 2024 - May 2025
University of Cincinnati, Cincinnati, OH

- Assisted a public-health professor by cleaning county survey data in R and Python and building charts for a poster presentation.
- Ran a logistic regression on 8,000 survey responses and wrote a one-page methods note describing the variables and caveats.
- Organized a shared folder with data files, scripts, and a readme so another student could repeat the analysis.
- Compared two imputation methods for missing survey answers and reported how much each changed the final estimates.

Independent Project Jan 2025 - Present
Self-Directed, Kaggle and GitHub, Cincinnati, OH

- Trained a random forest on a public housing dataset, compared it with a baseline, and published the notebook with a clear explanation.
- Built a small Streamlit app that lets users explore bike-share demand by hour and weather, and shared it on GitHub.
- Completed a ten-week machine learning course and wrote up notes on overfitting, validation splits, and feature leakage.
- Wrote a blog-style README for each project with the question, data source, steps taken, and what I would try with more time.

Statistics Peer Tutor Aug 2023 - May 2024
University of Cincinnati, Cincinnati, OH

- Tutored 25 undergraduates each term in introductory statistics, explaining hypothesis tests with worked examples from real datasets.
- Wrote a practice guide on confidence intervals that the math learning center added to its shared materials.

EDUCATION

B.S. in Mathematics, University of Cincinnati, Cincinnati, OH

CERTIFICATIONS

Google Data Analytics Professional Certificate | IBM Data Science Professional Certificate