

Matt Watkins

■ Clarksville, TN

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Summary

Data Scientist II with 5+ years of experience delivering data-driven solutions across health, finance, and program evaluation. Skilled in Python, R, SQL, cloud platforms, and NLP, with strengths in transforming messy, multi-source data into clear insights and scalable pipelines. Adept at automation, dashboard development, and modeling, with proven ability to adapt quickly and work collaboratively with technical and non-technical teams.

Professional Experience

Data Scientist II

Knowesis Inc. – Fort Campbell, KY | Jan 2021 – Present (promoted 2025)

Built and maintained ETL pipelines with SQL, R, Python, and SSIS to integrate data from logs, CSVs, Excel, and APIs.

Developed automated dashboards and reporting systems with Power BI and Microsoft Power Platform.

Applied machine learning and NLP to survey and text data, including classification, clustering, and transformer models.

Designed financial and ROI models to evaluate program performance and support funding decisions.

Delivered end-to-end analytics solutions as sole data scientist at times, from ingestion and cleaning to modeling and presentation.

Onboarded and supported new employees, sharing workflows and system knowledge in collaborative team settings.

Adjunct Professor of Mathematics

Nashville State Community College – Clarksville, TN | Jan 2020 – May 2021

Taught undergraduate Statistics and developed 15+ course materials, including lessons and assessments.

Guided student projects and provided structured feedback to improve understanding of statistical methods.

Education

M.S. Computer Science & Quantitative Methods (Mathematical Finance), Austin Peay State University – 2019

B.S. Mathematics, Austin Peay State University – 2016

Technical Skills

Programming & Data: Python, R, SQL, C#, C++, VBA, PowerShell

ML & AI: scikit-learn, TensorFlow, PyTorch, Keras, NLP, clustering, regression, forecasting

Data Engineering & Cloud: SSIS, PostgreSQL, MongoDB, MySQL, Docker, Kubernetes, Azure (Agile/DevOps), GCP (projects)

Visualization & Reporting: Power BI, Tableau, Shiny, Excel, Access

Other: ETL, data wrangling, APIs, Git/GitHub, financial analysis, mentoring