Michal Kuderski

Data Analyst

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PROFILE

Statistics graduate with project experience in forecasting, healthcare spending analysis and data validation. Uses SQL, Python, Excel and Power BI to build reproducible analyses and explain findings.

TECHNICAL SKILLS

Analysis SQL/PostgreSQL (CTEs, window functions), Python (pandas, scikit-learn), R
Reporting Excel (PivotTables, dashboards), Power BI Service, DAX, Power Query
Methods Data validation, KPI reporting, dimensional modeling, forecasting, regression

SELECTED ANALYTICS PROJECTS

GridCast Energy Demand Forecasting

Python | Power BI | DAX | Power Query

- Developed an AI-assisted pipeline for 61,368 EIA-930 hourly slots. Compared five models; the selected model achieved 4.38% WAPE and 13.2% lower MAE than daily persistence on 8,735 valid 2025 test hours.
- Built a four-page Power BI Service report with 28 DAX measures. Validated refresh and filters; documented high-demand underprediction and weaker prediction-interval coverage.

Medicare Provider Spending Analysis

SQL | PostgreSQL | Excel | CMS 2023 Illinois psychiatry data

- Modeled 2,460 published CMS provider-service records in PostgreSQL using CTEs and window functions; built a seven-sheet Excel workbook to analyze payments and utilization.
- Identified CPT 99214 as $5.65M, or 20.8%, of cohort payments. Distinguished charges, allowed amounts and payments; used service-unit denominators to interpret provider variation.

GraphOS Validated Retail Analytics Demo

Python | JavaScript | HTML/CSS

- Directed AI-assisted development of a local retail analytics demo using six fictional tables with 114,256 records; independently reconciled cancellation shares across 60 channel/month groups.
- Designed answer summaries, charts and data-quality views. Verified that two saved results reopened unchanged after restart and demonstrated a separate backup and restore-copy workflow.

EXPERIENCE

Delivery Driver | Genco Delivery LLC (Amazon deliveries) Sep 2026 - Present
Manage delivery routes, scan packages and maintain delivery records.

Certified Tennis Instructor | Naperville Park District Apr 2025 - Sep 2026
Coordinated sessions for five participants, tracked progress and provided feedback.

Data Entry and Inventory Control | GEODIS Dec 2024 - Feb 2025
Verified about 100 shipment records daily and corrected Excel datasets exceeding 1,000 rows.

EDUCATION

Northern Illinois University | B.S. in Statistics May 2026
GPA 3.7/4.0 | University Honors Program | Minors: Applied Mathematics and Geography

CERTIFICATIONS

Meta Data Analyst with GenAI Professional Certificate - Coursera (2025)
Intermediate SQL - DataCamp (2025) | Data Analysis in Excel - DataCamp (2026)