Janelle Owens

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My Key Qualifications

- Builds **recurring KPI dashboards in SQL and Tableau** at Tempus, a precision medicine company: 6 standing dashboards for patient intake, turnaround time, and support operations.
- Cleans and joins **CRM, billing, and clinical data** weekly with a Python/pandas validation workflow, cutting QA time from 4 hours to 90 minutes.
- A/B test experience: measured **3 experiments on patient onboarding messaging**, defining success metrics with a senior analyst and summarizing confidence intervals and lift.
- Capstone built **retention forecasting models in scikit-learn**, improving classification AUC from 0.68 to 0.79 on a virtual-care subscription scenario.
- BS in **Statistics** (University of Illinois Chicago, 2025), with coursework in experimental design, regression, and time series.

Experience

Junior Data Analyst — **Tempus**, a precision medicine technology company

May 2025 – Present · 1 yr 6 mos

- Built and maintained 6 recurring KPI dashboards in Tableau for patient intake, turnaround time, and support operations, writing the SQL behind each and documenting metric definitions with stakeholder input. Cut ad hoc reporting requests from 14 per month to 5.
- Created a Python validation workflow in pandas and NumPy (Jupyter Notebook) for weekly data pulls across CRM, billing, and clinical datasets, flagging nulls, duplicate records, and join mismatches before report refreshes. Reduced data QA time from 4 hours to 90 minutes per week.
- Assisted with measurement for 3 A/B tests on patient onboarding messaging: defined success metrics with a senior analyst, checked event-level data quality, and summarized confidence intervals and lift in SQL and Python, delivering result summaries within 2 business days of each test's completion.
- Use Git for version control across SQL, Python, and dashboard work to keep analytical workflows reproducible.

Education

- **University of Illinois Chicago** — Bachelor of Science in Statistics · 2021 – 2025 · Relevant coursework: Applied Regression, Statistical Inference, Database Systems, Experimental Design, Time Series Analysis

Projects

- **Patient Retention Forecasting Capstone**

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Built regression and classification models in Python to analyze appointment adherence and 90-day retention for a virtual care subscription scenario, improving retention-risk classification AUC from 0.68 to 0.79.
Tech: Python, scikit-learn, pandas, Jupyter Notebook

- **Campus Wellness Dashboard**
  Designed a Tableau dashboard for a campus health office tracking appointment demand, no-show patterns, and weekly service utilization, cutting manual spreadsheet preparation by 6 hours per month for the client team.
  Tech: Tableau, SQL, Excel

Skills

- **Core Analytics Tools:** SQL, Python, pandas, NumPy, Jupyter Notebook, Tableau, Git
- **Statistics & Experimentation:** A/B Testing, Hypothesis Testing
- **Applied Methods:** Healthcare Analytics