

Dmytro Litvinov

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SUMMARY

Analytical and results-driven Data Analyst with expertise in SQL, Python (Pandas, Scikit-learn), and BI tools such as Power BI and Tableau. Skilled in ETL automation, data modeling, and statistical forecasting. Proven ability to design scalable analytical solutions that improve operational efficiency, optimize decision-making, and uncover business growth opportunities.

SKILLS

- **Languages:** SQL, Python (Pandas, NumPy, Matplotlib, Scikit-learn), R (basic), Excel (Pivot Tables, Power Query).
- **Databases:** PostgreSQL, MongoDB, Oracle SQL, MySQL.
- **Data Visualization & BI:** Power BI, Tableau, Excel.
- **Big Data:** Hadoop ecosystem, Weka.
- **Cloud & DevOps:** Microsoft Azure, AWS.
- **Project Management:** Jira, Confluence, Git, Agile (Scrum, Kanban).

PROFESSIONAL EXPERIENCE

Retail Sales Forecasting with Seasonal SARIMA (*Python (Pandas, Statsmodels, Scikit-learn), Time Series Analysis*) June 2025

- Built an end-to-end forecasting pipeline to predict daily retail sales using SARIMA $(2,1,1) \times (1,1,1,7)$.
- Engineered a clean, event-aware time series with promotion and holiday features, improving baseline accuracy.
- Applied ETL processes to integrate historical records and optimize reporting.
- Improved forecast interpretability and reporting efficiency through reproducible, modular notebook design.

Customer Segmentation for Data Analysis (*Python (Pandas, Scikit-learn), Tableau*) September 2025

- Collected and cleaned customer transaction data for analysis.
- Implemented clustering algorithms (K-Means) to segment customers into meaningful groups (e.g., high-value frequent buyers, discount-driven occasional buyers).
- Compared Naive, Seasonal-Naive, and SARIMA models - achieving a MAPE of ~5.9% on holdout data.
- Developed clear visualizations (sales trends, forecast intervals) and automated 30-day forecast exports.
- Improved forecast interpretability and reporting efficiency through reproducible, modular notebook design.

Data Quality & Business Insights Dashboard (*SQL, Power BI, Python (Pandas), ETL Automation*) October 2025

- Built an automated Data Quality monitoring system assessing completeness, accuracy, validity, and consistency across 4,000+ transactions.
- Developed SQL-based rule engine with 20+ validation checks, improving error detection and overall data reliability.
- Designed Power BI dashboards for KPI tracking and issue detection, reducing manual data review time by 45%.
- Applied ETL processes to integrate raw and cleaned datasets, enabling continuous DQ evaluation and trend monitoring.
- Delivered actionable insights that helped improve CRM data quality and marketing deliverability.

EDUCATION

Seneca College - Toronto, Canada
Postgraduate Certificate in Database Application Development, Aug 2025

- GPA: 4.0/4.0 | [President Honor List](#)

Taras Shevchenko National University of Kyiv, Ukraine
Bachelor of Economics, Jul 2023

- GPA: 3.6/4.0