

Naor Shem-Tov

Data Analyst | Data Scientist

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🌐 Portfolio | 🐙 GitHub | 🔗 LinkedIn

Profile

Data Analyst and Data Scientist with professional experience in operational analytics, business intelligence, and independent end-to-end data projects. Experienced in using Python, SQL, R, and BI tools to analyze complex datasets, validate data, identify meaningful patterns, and support evidence-based decision-making. Combines strong analytical and statistical foundations with clear communication, independent learning, and a practical understanding of business and operational needs.

Professional Experience

Data Analyst 2025–Present

IDF, PAKAL Division

- Analyze complex operational datasets to support strategic planning and evidence-based decision-making.
- Perform data cleaning and validation, investigate anomalies and metric shifts, and identify likely causes of data-quality issues.
- Develop analytical reports and dashboards for KPI monitoring, performance analysis, and communication of findings to stakeholders.

Technology and Data Implementation Manager 2022–2025

Mabua

- Led data, measurement, and reporting initiatives across business, operational, digital, and content teams.
- Designed Power BI dashboards, defined KPIs, and introduced structured reporting and data-management processes.
- Conducted quantitative analyses that identified inefficiencies and contributed to a 30% improvement in operational efficiency.

Independent Data & BI Projects

Independent Data Science and BI Projects 2024–Present

Self-Directed

- Develop end-to-end projects across data analysis, machine learning, NLP, deep learning, data engineering, BI, and interactive visualization.
- Projects include a synthetic healthcare code-retrieval benchmark, deep-learning image classification, a scientific metadata pipeline, and analytical dashboards.
- Work independently from data collection and preprocessing through analysis, modeling, evaluation, visualization, and documentation.

Education

M.A. in Data Science, Graduated with Honors 2022–2024

Bar-Ilan University | GPA: 4/4

Machine Learning, Deep Learning, Big Data, Predictive Analytics, Statistics, Data Mining, and Statistical Modeling.
Selected as graduation ceremony speaker; Municipality of Holon Excellence Scholarship, 2024.

B.A. in Economics & Political Science 2020–2023

Tel Aviv University

Statistics, Econometrics, and quantitative analysis using R.
Participant in the Freiberg Economics Seminar, 2023.

Skills

Programming & Analysis Python, SQL, R, Excel

Data Science Exploratory data analysis, statistical analysis, machine learning, feature engineering, model evaluation, and anomaly investigation

BI & Visualization Power BI, Tableau, Plotly, Seaborn, and Matplotlib

Languages Hebrew – Native; English – High proficiency

Military Service

Company Commander, Major (Reserves) 2020–Present

Daniel Brigade

- Lead manpower planning, readiness tracking, resource prioritization, and coordination under changing operational constraints.
- Make time-sensitive decisions and communicate operational status clearly across multiple stakeholders.

Platoon Commander, Lieutenant 2016–2020

Givati Brigade, Mandatory Service

- Planned and led missions and personnel in complex, high-pressure environments, developing leadership, accountability, and structured decision-making.