Madina Kanafina

Springfield, VA

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GitHub Portfolio ▪ LinkedIn Profile

(Open to Relocation: East Coast)

Skills

- **Languages:** SQL, R, and MATLAB
- **Data & Visualization Tools:** MS Power BI, RStudio, Tableau, Excel (PivotTables, lookups, formulas), BigQuery, StatKey, Rguroo, MS Office Suite
- **Concepts & Modeling:** EDA, Statistical & Predictive Modeling, Machine Learning Fundamentals, Data Cleaning & Validation, Forecasting, Data Visualization, Reporting & Dashboards

Education

- **B.S. in Computational & Data Sciences** – George Mason University ▪ *Expected May* 2027
  - **MS Certified (PL-300): Power BI Data Analyst Associate** – Issued Jan 2026
    - *Skills*: Adv. Data Modeling, Visuals, DAX Measures, Power Query (ETL), RLS, Interactive Dashboards.
  - **Certification**: Google Data Analytics Professional – Issued Sept 2025
- **B.A. in Business Administration** – Taylor's University ▪ Graduated Dec 2016

Selected Projects

Used Car Price Prediction (*Tools*: R, Linear Regression; Nov 2024)
- Performed exploratory data analysis using R and the Kelly Blue Book dataset to determine key factors influencing car price. Built a mixed model that achieved an R-squared value of 0.94, confirming that categorical features like a car's make and type are the most significant price drivers.

The Return on Investment of a College Degree (*Tools*: R, EDA, Linear Modeling; Dec 2024)
- Investigated the relationship between college costs (U.S. Dept. of Education data) and graduate earnings using exploratory analysis and linear regression. Modeled the data to find a statistically significant positive relationship, demonstrating proficiency in residual diagnostics and predictive modeling.

Stochastic Wheatfield Harvest Yield Simulation (*Tools*: MATLAB, Stochastic Simulation; Oct 2024)
- Developed a stochastic simulation in MATLAB to model wheat harvest yield over a 10-month season, incorporating user-defined variables and random weather conditions. Demonstrated that predicting the range and probability of outcomes is more valuable than a single fixed number, evidenced by a mean yield of 30,382 bushels.

Selected Work Experience

Neurology Center of Fairfax, Ltd. ▪ May 2024 – Feb 2025 ▪ Fairfax, VA
Health Data Specialist – Medical Records
- Maintained digital records for over 40,000 patients in an EHR system, achieving a 99.5% data accuracy rate through weekly system audits and strict HIPAA compliance.
- Streamlined reporting and data retrieval processes to address urgent requests, successfully reducing turnaround time and enabling data-driven clinical and operational decisions.

Maconee, LLC ▪ Feb 2016 – Mar 2021 ▪ Astana, Kazakhstan
Operations & Data Coordinator – Retail Boutique (seasonal & remote)
- Monitored and troubleshot inventory data in operational databases to identify trends and streamline supply chain workflows, reducing carrying costs.
- Coordinated international logistics and customs documentation, ensuring smooth product flow and supporting merchandising and marketing strategies across multiple seasons and time zones.

Additional Experience

- MGM Resorts International • Jul 2021 – Dec 2023 • Oxon Hill, MD • *Casino Table Dealer*
- Nostos • Sep 2017 – Jul 2021 • Vienna, VA • *Waitress Fine-Dining*