

GAVIN BOSS

DATA & BUSINESS ANALYTICS | PYTHON | SQL | POWER BI | PREDICTIVE ANALYTICS

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PROFESSIONAL SUMMARY

Analytics professional with 8+ years of experience translating complex information into actionable insights for senior decision-makers. M.S. in Applied Business Analytics from Boston University with hands-on experience in Python, SQL, Power BI, Tableau, statistical modeling, machine learning, predictive analytics, forecasting, simulation, optimization, and data visualization. Combines technical analytics with high-stakes analytical judgment, executive communication, process improvement, and cross-functional decision support.

TECHNICAL SKILLS

Programming & Data: Python, SQL, R, Pandas, NumPy, SciPy, Scikit-learn, Jupyter Notebook, Git/GitHub

BI & Visualization: Power BI, Tableau, Excel (PivotTables, Power Query), dashboard development, KPI reporting, data visualization

Analytics: Predictive modeling, regression, classification, Random Forest, KNN, K-Means, forecasting, Bayesian analysis, Monte Carlo simulation, MCMC, optimization, statistical testing

PROFESSIONAL EXPERIENCE

Mid All-Source Analyst | Amentum - United States Central Command (USCENTCOM) | Tampa, FL

Mar 2025 - Present

- Analyze continuous, high-volume multi-source reporting to identify trends, relationships, anomalies, emerging indicators, and risks that inform strategic and operational decisions.
- Translate complex and ambiguous questions into structured analytical problems, measurable indicators, and decision-ready assessments for senior leaders.
- Integrate diverse information sources, evaluate competing explanations, assess data quality, and produce clear, evidence-based conclusions and recommendations.
- Develop executive reports and analytical briefings; collaborate across organizations to resolve information gaps and improve analytical quality.
- Standardize reporting processes, documentation, and repeatable analytical workflows to improve consistency, efficiency, and knowledge transfer.

Intelligence Specialist (Intelligence Analyst) | United States Navy | Norfolk, VA

Nov 2017 - Nov 2024

- Produced 1,000+ analytical assessments supporting tactical, operational, and strategic decision-making across multiple organizations and geographic regions.
- Led analytical teams of up to 15 personnel, coordinating workloads, training, quality standards, and competing priorities in high-tempo environments.
- Analyzed complex operational information to identify trends, risks, resource requirements, and actionable insights supporting planning and resource allocation.
- Developed analytical standards, reporting guidance, SOPs, and repeatable workflows that improved organizational consistency and efficiency.
- Presented complex findings to senior leaders and cross-functional stakeholders; managed security and administrative programs supporting 40+ personnel.

SELECTED ANALYTICS PROJECTS

- Predictive Modeling:** Built and compared regression, polynomial regression, Random Forest, Decision Tree, and KNN models in Python; evaluated performance and feature influence using statistical metrics and visualizations.
- Market Segmentation & Data Mining:** Applied K-Means clustering, PCA, TF-IDF, classification, and regression to business and market datasets to identify patterns and actionable segments.
- Simulation, Forecasting & Optimization:** Developed 50,000-path demand simulations and 100,000-trial decision models using Monte Carlo methods, Bayesian analysis, forecasting, optimization, sensitivity analysis, and NPV frameworks.

Portfolio: gavinboss.github.io/projects.html

EDUCATION

M.S. Applied Business Analytics | Boston University |

Jan 2025 - Aug 2026

Completed June 2026 | Degree Conferral August 2026

B.S. Cybersecurity Management & Policy - Honors | University of Maryland Global Campus |

2021 - 2024