

Nurba Balgin

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github.com/Nurba986

Professional Summary

Data analyst, whose passion is turning complex numbers into clear stories that help businesses make smarter decisions, using tools like SQL, Python, and Power BI. I thrive on discovering hidden patterns in data and translating them into strategic insights that drive business growth.

Tools

Languages: Python, SQL, Power BI, Tableau, Python libraries: Pandas, Numpy, Matplotlib, Seaborn, Scikit, Tensorflow, PyTorch

Technologies: Microsoft Azure Cloud Platform, GitHub

Experience

Junior Data Analyst, Aquatic Capital Management – Chicago, IL April 2022 – June 2024

- Built Excel dashboards to track daily trades of 50+ securities, helping identify data errors and improving report accuracy by 8%.
- Designed and implemented automated Power BI dashboards for investment analysis, enabling real-time decision making, while reducing weekly reporting time from 1 hours to 30 minutes.
- Optimized SQL queries for portfolio dashboards, reducing data retrieval time by 30% and increasing weekly client request capacity by 50%.

Assistant of CEO, Burgylau LLP – Zhanaozen, KZ June 2020 – February 2022

- Reduced Non-Productive Time (NPT) by 3% through systematic time distribution analysis and targeted improvement initiatives.
- Improved average Rate of Penetration (ROP) by 2% across the rig fleet by identifying and standardizing best drilling practices.
- Created live dashboard monitoring 15+ critical drilling parameters (Weight on Bit, ROP, RPM, torque, pump pressure, hook load) across all drilling rigs.

Head of technology department, Burgylau LLP – Zhanaozen, KZ April 2016 – June 2020

- Generated \$2.8M in annual cost savings through efficiency improvements and reduced nonproductive time.
- Decreased reporting cycle time by 40% by automating data collection and analysis processes.
- Implemented real-time performance tracking system, resulting in 30% faster decision-making response to drilling issues.

Technology department lead engineer, engineer, Burgylau LLP–Zhanaozen, KZ March 2007 – April 2016

- Achieved 95% compliance rate with planned vs actual well delivery times.
- Reduced mechanical downtime by 20% through predictive maintenance recommendations based on equipment performance analysis.
- Achieved 95% compliance rate with planned vs actual well delivery times.

Education

Atyrau Oil and Gas University, Bachelor's degree. Petroleum Engineer Sept 2003 – June 2007

Projects (<https://github.com/Nurba986>)

Correlations Macroeconomic Indicators to Stock Indexes

Diabetes Prediction