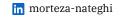
Morteza Nateghi

Data Scientist / Data Analyst

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Summary

Data Scientist with 3+ years of experience, leveraging statistical modeling, A/B testing, and causal inference to provide data-driven business decisions in the fintech industry. Demonstrated track record of using Python and SQL to develop automated and scalable solutions that enhance data accuracy and streamline processes. Proficient in extracting and analysing datasets from cloud platforms such as Microsoft Azure and APIs. Experienced in collaboration and communication with technical teams, non-technical stakeholders, and clients. Expert at using visualisation tools and Tableau dashboards to present impactful visual insights that inform business decisions.

Experience

Coindesk (CCData) Jan 2022 - Jul 2025 Data Scientist London, UK

CoinDesk is a leading media, indices, and data company for the global crypto economy, with around 50 million users worldwide.

- Conducted **statistical analysis** using **Python** to replicate the mathematical logic of institutional cryptocurrency indices. Designed A/B tests to validate parameter improvements, boosting market responsiveness by 2bps and supporting client acquisition and revenue growth.
- Performed exploratory data analysis (EDA) and built Tableau dashboards to monitor cryptocurrency market trends, enabling timely product adjustments and contributing to a 10% expansion in market coverage.
- Designed and conducted A/B tests on alternative index calculation methodologies, analysing price accuracy and stability metrics to guide client decision-making and support long-term business revenue.
- Built automated Python-based data pipelines to ingest data from databases on Microsoft Azure cloud platform, replicate realtime index values using mathematical formulas and compare outputs against actual index values to ensure 99.5% data accuracy and SLA compliance.
- Developed real-time monitoring scripts in Python with Slack integration and Tableau dashboards to visualise pipeline performance and alert trends, enabling fast incident detection and maintaining 100% SLA compliance for response and resolution times.
- Served as the primary contact between technical teams, non-technical stakeholders, and clients, ensuring end-to-end communication, clearly translating complex data concepts, and supporting effective implementation.
- Refactored and optimised a legacy JavaScript-based index review process into a Python-based system, lowering review runtime by **40%**.

Ministry of Labour and Social Welfare

Financial Analyst

Analysed the ownership and capital structure of Social Security Organisation subsidiaries using Excel and Python, utilising linear regression to identify financial dependencies and governance risks. Provided reports and visualisations for senior management review.

- Determinants of Leverage Ratio

MRes Thesis: Examined factors affecting corporate leverage ratios through **regression analysis** and capital structure theory, using **Python** and **Stata**.

- Modelling Online Taxi Drivers' Decision Making

Computational Economics Project: Developed a Python-based simulation model using dynamic programming to analyse the decision-making factors of drivers.

Education

University College London (UCL) **Economics**

Sharif University of Technology

Economics

- Stock Market Response to Block Trades

Corporate Finance Project: Analysed the impact of block trades on stock market prices, through regressions and financial Time Series Analysis in Python and Stata.

- Tax Reforms after Sanctions

Macroeconomics Project: Analysed the impact of tax reforms in post-sanctions economies by solving advanced macroeconomic simulations in MATLAB.

> Sep 2020 - Jul 2021 Master of Research

Apr 2019 - Oct 2019

Sep 2017 - Jul 2019 MSc

Skills

Python (Pandas NumPy Scikit-learn), Advanced SQL, R

A/B Testing, Statistical Modeling, Causal Inference, Data Analysis, Data Visualisation, Time Series Analysis, Financial Analysis, ETL

Microsoft Azure, Tableau, Excel, MATLAB, Cloud Platforms, Git, Jira

Cryptocurrency Markets, FinTech, Compliance Reporting