

ALI MABROUK AMIN

Data Analyst | 3+ Years Engineering & Operations Data QC

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github.com/alimabrouk12596-data | alimabrouk12596-data.github.io/ali-data-analyst

PROFESSIONAL SUMMARY

Results-driven Data Analyst with hands-on experience in SQL, Advanced Excel, Power BI, Tableau, and Python, backed by 3 years of engineering data QC and ETL experience. Skilled at cleaning complex datasets, building interactive multi-page dashboards, and translating raw data into clear, actionable business insights. Delivered 8 end-to-end analytics projects spanning sports, real estate, sales, HR, and web data — all live on a professional portfolio site. Open to remote data analyst and freelance analytics roles with international teams.

TECHNICAL SKILLS

Analysis: SQL (PostgreSQL, MySQL) · Data Cleaning · ETL Pipelines · Exploratory Data Analysis · Statistical Analysis

Tools: Advanced Excel (Power Query, Pivot Tables, XLOOKUP, Dashboards) · Google Sheets · Python (Pandas)

Viz: Power BI · Tableau · Interactive Dashboards · Chart.js · Data Storytelling · KPI Reporting

Domain: Football Analytics (EPL, Egyptian Premier League, Saudi Pro League) · QC Protocols · SEC Filings

Soft Skills: Attention to Detail · Analytical Thinking · Remote Collaboration · Documentation

Languages: Arabic (Native) · English (Professional)

PROFESSIONAL EXPERIENCE

Freelance Data Analyst · Independent · Remote · Worldwide

2025 – Present

- Designed and delivered 8 end-to-end analytics projects on real-world datasets — covering sports, real estate, HR, sales, survey, and web data — published as live interactive dashboards on a professional portfolio site.
- Built multi-dataset ETL pipelines joining 5M+ records using SQL, Python Pandas, and Power Query — from raw data extraction and cleaning through to business-ready insight and visualization.
- Produced actionable business recommendations from data — e.g. identified that converting larger Seattle properties to short-term rentals in high-density ZIP codes yields 6x higher ROI; flagged Salah as highest ROI signing in EPL 2024/25 based on goal-involvement rate analysis.

Lead Data & Quality Auditor · Petrojet · Oil & Gas Engineering

2023 – 2026 · Egypt

- Acted as Lead Data & Quality Auditor for 10+ large-scale oil & gas engineering projects — validating, cleaning, and certifying all technical datasets for compliance with ISO and ASME standards.
- Designed structured data validation and discrepancy-tracking reports covering 500+ defects — standardizing the data accuracy and ETL cleansing workflow across project phases, reducing rework cycles significantly.
- Managed end-to-end data documentation pipelines for 100+ technical documents across 5+ project stages — applying rigorous validation protocols to guarantee zero-error sign-off on all deliverables.
- Translated complex engineering datasets into clear, stakeholder-ready analytical reports for senior management and clients — coordinating cross-functional teams of 10+ engineers and contractors.

ANALYTICS PROJECTS

EPL 2024/25 — Player Statistics Analysis — SQL · MySQL · Excel · Dashboard

- Analyzed 562 Premier League players across 20 clubs and 64 nationalities using 57 statistical columns covering goals, assists, passing, defense, and discipline.

- Built 15 SQL queries using DENSE_RANK(), CTEs, and window functions to rank players by position and extract club-level insights.
- Scouting insight: Salah (29G, 18A) delivers 47 goal involvements — 2.3x the league average for forwards, identifying him as the highest ROI signing per appearance in the league.
- Delivered interactive Excel dashboard with KPI cards, 4 dynamic charts, and full data sheets — also published as a live web dashboard.

github.com/alimabrouk12596-data/EPL-Analysis-24-25 · alimabrouk12596-data.github.io/ali-data-analyst/epl_dashboard.html

Airbnb Seattle — Full Market Analysis — Python (Pandas) · SQL · Excel · Tableau

- Joined 3 real-world datasets (3,818 listings · 1M+ calendar records · 84,849 reviews) on listing_id to build a unified star-schema market model.
- Built ETL pipeline to extract, clean, and join datasets using Python Pandas — calculating monthly occupancy rates, weekly pricing trends by ZIP code, and seasonal demand patterns.
- Investment recommendation: ZIP 98134 leads at \$206.6/night; converting larger properties to short-term rentals in high-density ZIPs yields 6x higher ROI (\$578 vs \$95.7/night); January peak occupancy (43.7%) driven by B2B conference demand.
- Built 6-sheet interactive dashboard: Price by ZIP, Geographic Map, Revenue for Year, Avg Price/Bedroom, Bedroom Count, Full Dashboard.

github.com/alimabrouk12596-data/Airbnb-Seattle-Analysis · alimabrouk12596-data.github.io/ali-data-analyst/airbnb_seattle_dashboard.html

Global Sales Report 2011–2016 — Excel · Pivot Tables · Charts

- Analyzed 113,036 transactions across 6 countries tracking \$85.7M in total revenue with full cost and profit breakdown.
- Built Pivot Tables comparing Revenue, Cost, and Profit by country and year — identifying USA as top market at \$28M (33%) and UK as fastest-growing (+218%).
- Created dynamic charts to visualize 6-year revenue trends, product category mix, and age group demographics across markets.

github.com/alimabrouk12596-data/Global-Sales-Analysis · alimabrouk12596-data.github.io/ali-data-analyst/sales_dashboard.html

Global Layoffs — Data Cleaning & EDA — SQL · PostgreSQL · Window Functions

- Executed a full data cleaning and ETL pipeline: removed duplicates using ROW_NUMBER(), standardized inconsistent formats, and handled NULL values.
- Performed EDA using CTEs, GROUP BY, and window functions to surface industry trends, top affected companies, and year-over-year patterns.
- Documented the full cleaning methodology to ensure reproducibility and auditability of all transformations.

github.com/alimabrouk12596-data

Excel Analytics Projects Collection — Excel · XLOOKUP · Power Query · Conditional Formatting

- Bike Buyers Dashboard: segmented 1,000+ customer records by income, commute, and age — found 0-1 mile commuters have 68% purchase rate.
- US Presidents Data Cleaning: fixed 4 data quality issues using TRIM, TEXT, PROPER, and Remove Duplicates.
- HR Lookup System: built dynamic employee retrieval tool using XLOOKUP, INDEX/MATCH, SUMIF, COUNTIF, and custom error handling.
- Sales Dashboard: applied conditional formatting and chart design to visualize 12-month Dunder Mifflin sales across product categories.

github.com/alimabrouk12596-data/Excel-Projects · alimabrouk12596-data.github.io/ali-data-analyst/excel_dashboard.html

Data Professionals Survey — Salary & Job Satisfaction Breakdown — Power BI · DAX · HR Analytics

- Analyzed survey responses from 630 data professionals across 20+ countries covering salary, satisfaction, and career entry difficulty.
- Built interactive Power BI dashboard with KPI cards, DAX measures, and slicers tracking salary, satisfaction scores, and programming language preferences.

- Key findings: Data Scientists earn highest avg salary (~\$94k); Python dominates (66%+ of votes); salary satisfaction 4.27/10 vs work-life balance 5.74/10.

github.com/alimabrouk12596-data/Data-Professionals-Survey · alimabrouk12596-data.github.io/ali-data-analyst/powerbi_dashboard.html

US Fortune 500 — Web Scraping & Revenue Analysis — Python · BeautifulSoup · Requests · Pandas

- Built a complete web scraping and ETL pipeline in Python to extract the largest US companies by revenue from Wikipedia live HTML using requests and BeautifulSoup.
- Scraped 50+ companies across 7 data columns; applied User-Agent headers to handle bot detection and exported clean structured data to CSV using Pandas.
- Key findings: Healthcare dominates top 20 (35%); Walmart leads at \$648B revenue; Marathon Petroleum highest growth at 74.4%.

github.com/alimabrouk12596-data/Web-Scraping-Revenue-Analysis-US-Fortune-500 · alimabrouk12596-data.github.io/ali-data-analyst/web_scraping_dashboard.html

EDUCATION

Bachelor of Engineering — Petroleum & Mining Engineering

Suez University, Egypt

ADDITIONAL

- Sports Analytics: deep domain knowledge of EPL, Egyptian Premier League, and Saudi Pro League — including player statistics, performance metrics, and league data structures. Directly applicable to sports data and analytics roles.
- Financial Data: familiarity with US SEC filings (10-K, 8-K, 13G) and their data structures and disclosure formats.
- Portfolio: 8 end-to-end analytics projects with live interactive dashboards at alimabrouk12596-data.github.io/ali-data-analyst — covering sports, sales, real estate, HR, survey data, and web scraping. Full source code on GitHub.