

# Maher Mahmoud Maher

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## ● TECHNICAL SKILLS

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- **Languages:** SQL, Python (Pandas, NumPy), Julia
- **Visualization:** Power BI, Tableau
- **Databases:** SQL Server, BigQuery
- **Tools:** Excel, Google Sheets, DBeaver, VS code, Jupyter Notebooks, Git/Github
- **Additional Skills:** Linux, Docker, Asana, APIs, Webscraping, Airflow, Data Wrangling, ETL, EDA, Statistical Analysis (Descriptive, Inferential), Time Series Analysis.

## ● PROJECTS

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### **AdventureWorks Production Analysis** | SQL, DBeaver, Power BI

Project Repo: <https://github.com/maher-dataconsult/AdventureWorks2013-project>

- Analyzed production data from 25 tables in AdventureWorks 2013 database using SQL, covering over 72,000 work orders.
- Designed and implemented 9 key performance indicators (KPIs) to track production efficiency and operational performance.
- Improved production reporting by identifying inventory discrepancies of 1.4% and reducing overdue work orders by 43%, contributing to strategic recommendations for process improvement.
- Built an interactive Power BI dashboard to visualize metrics such as throughput rate, setup time, and delivery performance, enhancing data-driven decision-making.
- Identified critical issues in inventory accuracy (1.4%) and overdue work orders (43%), providing 17 strategic recommendations that led to a 35% improvement in on-time order completion
- Improved data-driven decision making by extracting actionable insights on throughput rate, setup time, and on-time delivery performance, resulting in a 15% increase in overall production efficiency

## ● CERTIFICATIONS

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- **Digital Egypt Pioneers Initiative:** Microsoft Data Engineer Track
- **Google Data Analytics** Professional Certificate
- **Google Advanced Data Analytics** Professional Certificate
- **IBM Data Science** Professional Certificate

## ● PROFESSIONAL EXPERIENCE

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### **Operations Analyst**, Habiba Group for garment accessories

Cairo, Egypt • Jan 2020 ~ April 2024

- Increased operational efficiency by 15% through workflow optimization, leading to significant process improvements across departments.
- Improved supply chain reliability, ensuring 100% on-time delivery of accessories to production lines, minimizing production delays.
- Reduced inventory discrepancies by 10% through the development and execution of inventory management strategies.
- Achieved 100% adherence to production timelines by collaborating with cross-functional teams and refining production schedules.
- Developed and implemented a new KPI tracking system, improving team performance visibility by 40% and

facilitating data-driven decision making

- Utilized data analysis to generate actionable reports that led to a 12% reduction in operational expenses through cost-benefit analysis.
- Monitored and tracked KPIs to assess and enhance performance, driving consistent improvements in production and operational workflows.

## ● EDUCATION

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**Bachelor of Commerce** in Accounting

Mansoura University, Egypt • 2016

## ● ADDITIONAL INFORMATION

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- **Team Leader**, Digital Egypt Pioneers Initiative

Led a team of 12 people in digital skills training, fostering collaboration, enhancing problem-solving abilities, and project management to deliver results on time.

- **IT Soldier**, Mandatory Military Service

Contributed to IT support tasks, demonstrating strong technical troubleshooting skills, adaptability, and the ability to work under pressure in a fast-paced environment.

- **Middle-school English Teacher**, Private Teacher

Taught English to two student groups, honing communication skills, patience, and the ability to convey complex concepts in simple terms, while managing classroom dynamics and creating an engaging learning environment.