Elsayed Ibrahim

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Professional Summary

Accomplished Data Analysis Specialist with over 15 years of experience, including three years focused on data visualization, statistical modeling, and data mining. Highly proficient in SQL, particularly in handling large datasets, and well-versed in creating business intelligence solutions. Demonstrated ability to identify patterns and trends in data, validate models, and deliver insights through clear, actionable reports. Strong background in environmental science, with additional experience in insurance and Medicaid. Proven leader with two years of supervisory experience, dedicated to driving data-driven decision-making.

Core Competencies

- **Data Visualization & Reporting**
- **Statistical Models & Data Mining**
- **SQL & Large Datasets Management**
- **Business Intelligence Solutions**
- **Data Pattern & Trend Analysis**
- **Programming (Python, R, SQL)**
- **Project Management & Supervision**

Professional Experience

Senior Data Analyst | Independent Consultant
New Cairo, Egypt
January 2009 – Present

- Developed and implemented business intelligence solutions by querying data repositories and generating periodic reports.
- Devised methods for identifying data patterns and trends, resulting in actionable insights for clients.
- Assessed and optimized data structures to improve report accuracy and relevance.
- Researched new data sources and analytical tools, recommending and integrating effective solutions.

- Conducted tests to ensure consistency and accuracy of business intelligence solutions with client needs.
- Supervised and mentored junior analysts, fostering skill development and ensuring project success.

Freelance Data Analysis Specialist
Remote
January 2020 – Present

- Provided specialized data analysis services, including statistical modeling and data mining, to various industries.
- Created comprehensive data visualizations and dashboards, simplifying complex data for client presentations.
- Utilized SQL to manage and analyze large datasets, ensuring data integrity and extracting meaningful insights.
- Tested, validated, and refined predictive models to ensure accurate outcomes for clients in insurance and environmental sectors.
- Delivered clear, concise written reports and presentations, effectively communicating results to stakeholders.

Key Projects:

- **Insurance Data Analysis**: Analyzed large insurance datasets to identify trends and improve risk assessment models.
- **Medicaid Reporting Dashboard**: Developed a dashboard to track Medicaid metrics, improving resource allocation and policy decisions.
- **Environmental Impact Assessment**: Conducted statistical analysis of environmental data, providing insights for sustainability initiatives.
- **Supervisory Role**: Led a team of data analysts, overseeing project execution, quality control, and client communication.

Education & Certifications

- **Ph.D. in Environmental Science** (substitutes for two years of specialized experience)
- **IBM**: Introduction to Data Analytics | *Coursera*
- **IBM**: Databases and SQL for Data Science with Python | *Coursera*
- **Udacity**: Data Analysis Challenger | *Udacity*

Technical Skills

- **Programming**: Python, R, SQL
- **Data Visualization**: Tableau, Power BI, Matplotlib, Seaborn

- **Data Analysis**: Pandas, NumPy, Scikit-learn
- **Database Management**: MySQL, PostgreSQL
- **Business Intelligence Tools**: SQL Server, Google Analytics

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Additional Information

Available for positions requiring leadership and advanced data analysis skills. Open to opportunities in insurance, Medicaid, and related fields.