Seth Riley

Sr Data Analyst

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Summary

- Over 7 years of experience as a Data Analyst with solid experience in extracting, analyzing, and interpreting complex data sets to drive business insights and support decision-making processes.
- With a prestigious Google Data Analytics certificate and comprehensive training, I have developed proficiency in data preparation, processing, and analysis techniques.
- Gathering data from various sources, ensuring data accuracy, and cleaning the data to eliminate duplicates, errors, and inconsistencies.
- Using statistical techniques and tools to analyze data, identify patterns, and draw meaningful insights that can address specific business questions or problems.
- Developing and managing data systems and databases, ensuring data integrity, and establishing key performance indicators (KPIs) for data quality and efficiency.
- Proficient and skilled in cleaning, organizing, and transforming complex datasets to make them suitable for analysis.
- Strong analytical skills to collect, organize, analyze, and interpret data, as well as the ability to identify trends and patterns.
- Effectively communicate findings and insights to technical and non-technical audiences, collaborating with cross-functional teams, and working with engineers and developers to develop data governance strategies.
- Encompassing critical values of integrity, honesty, appreciation, teamwork, growth, and result orientation with an eye toward continuous improvement.
- Skilled in data visualization, statistical analysis, and data modeling.
- Continuous learning and keeping up with the latest advancements, tools, and techniques.
- Release-planning specialist trained in advanced Excel modeling
- Creative solutions architect with real-time problem-solving flexibility.
- Enthusiastic Senior Data Analyst and dedicated employee with integrity, strong work ethic, and great leadership skills.
- Over 6 years of experience building revenues, improving processes, and driving business growth through periods of ranging market health.
- Seasoned collaborator experienced in meeting needs, improving processes, and exceeding requirements in team environments
- Diligent worker with strong communication and task prioritization skills
- Conducted an infrastructure revamp which yielded a remarkable 400% increase in patient base
- Exceptionally aware of early warning signs of economic downturn with strategic adaptability.
- Follow and assess the business process model defining metadata rules and critical data elements.
- Conduct analysis, gather requirements, develop Use Cases, data mapping, and workflow diagrams.
- Develop a global incident management reporting dashboard for the DQM over multiple IM platforms.

Key Strength's

- **SQL Proficiency (Structured Query Language):** Can extract, organize, and manage large datasets stored in relational databases. Also retrieving relevant data and performing efficient data manipulation tasks
- **Data Visualization:** The ability to present data findings using graphics and visualizations is essential. Also create charts, graphs, and other visual representations that make complex insights easier to understand for non-technical stakeholders
- **Mathematical Skills:** Strong mathematical skills, including statistics and probability, enable data analysts to perform rigorous analysis and derive meaningful insights from data.
- **Statistical Programming Languages:** Proficiency in statistical programming languages like R, Excel, SQL, Tableau, and data visualization for performing advanced analyses on large datasets.
- **Data Cleaning:** Preparing and cleansing raw data to ensure accuracy and quality.
- **Machine Learning:** Familiarity with machine learning concepts and techniques allows me data analysts to build predictive models and gain deeper insights from data.
- **Critical Thinking:** Data analysts must approach problems with critical thinking and analytical reasoning to identify trends,

patterns, and insights from data.
- **Excel Proficiency: Extreme** Proficiency in Excel, data manipulation, basic analysis, and reporting.
- **Communication Skills:** Having effective communication skills, conveying complex findings and insights to both technical and non-technical stakeholders.
- **Data Collection and Cleaning:** Proficient in data collection methods and techniques, as well as ensuring data quality and accuracy.
- **Problem-solving skills:** Capable of identifying and addressing challenges in data collection, analysis, and interpretation.
- Advanced Excel Spreadsheet Functions: Proficient in utilizing advanced Excel functions to analyze and manipulate data effectively.
- **Tableau Tools Mastery**: Expertise in using Tableau tools for data visualization and analysis, facilitating data-driven decision-making.
- **HTML and XML Coding and Design:** Skilled in HTML and XML coding and design, enhancing web development capabilities.
- **Database Management:** Competent in managing MS SQL Server 2000, Oracle Toad, and computer servers for efficient data storage and retrieval.
- **Statistical Analysis and Pivot Tables**: Proficient in statistical methods and pivot tables for in-depth data analysis.
- **Data Science and Integration:** Experienced in data science, data transformation, and data integration with data lakes, driving data-driven insights.
- **Data Analytics and Web Intelligence**: Adept at data analytics and web intelligence, contributing to informed decision-making.
- **Database Expertise:** Well-versed in IBM DB2, report writing, and conducting SWOT analyses for strategic planning.
- **Trend Data Analysis:** Proficient in analyzing database schemas and conducting trend data analysis with expertise in Teradata Database, SAS Graph, and SAS Stat.
- **Business Intelligence Testing:** Skilled in business intelligence testing and adept at client meetings, ensuring quality deliverables.
- **Advanced SAS Programming:** Proficient in writing advanced SAS programs to extract valuable insights from data.
- Metadata Enhancements and Resource Allocation: Expertise in enhancing metadata and optimizing capital and resource allocation.
- **Python and R Programming:** Competent in Python and R programming languages, enabling advanced data analysis.
- **Project Management:** Strong project management skills for effectively leading and delivering projects.
- **Java Development:** Proficient in Java development, expanding programming capabilities.

Key Skills

Data Analytics Tools	Tableau, Power BI, Jupyter Notebook, Hue, SQL Developer, MINITAB, and Analytic Solver (Excel-based tool) Regression Analysis, Classification Modeling, Statistical Inference, Time-Series Analysis, Model Diagnostics
Programming language	SQL, Python, Hive, Pyspark (Spark-SQL)
Management Tools	JIRA, Sharepoint, Confluence, BitBucket, Github, Service Now.
Database	MySQL, Oracle, MSSQL, Snowflake.
Defect Tracking Tools	HP-ALM and JIRA
MS Office Tools	Microsoft Project Management (MPP for WBS), Excel, One Note, Powerpoint, Word, Outlook
Data Manipulation and Transformation	Data Wrangling, ETL & ELT (Extract, Transform, Load), Data Cleaning, Metadata Management
Data Visualization and Reporting	Data Visualization, Dashboards & Reporting, Tableau
Database and Query Languages	SQL, MySQL & T-SQL
Analytics and Decision-Making	Risk & Decision Analysis, Analytical Skills
Software and Tools	Microsoft Excel, Natural Language Processing with ChatGPT & LLMs (Large Language Models)

Professional Experience

SENIOR DATA ANALYST   **Mar 2022 – Present**

Absolute Caregivers   Indianapolis, IN

- Collaborated with cross-functional teams to define data requirements and project objectives, ensuring alignment with business goals.
- Extracted and cleaned large datasets from various sources, applying data-wrangling techniques to ensure accuracy and consistency.
- Conducted comprehensive data analysis using advanced statistical methods, identifying trends, patterns, and insights to support strategic decision-making.
- Developed predictive models to forecast key metrics and optimize business operations, resulting in a 15% increase in efficiency.
- Created interactive dashboards using Tableau, presenting complex data in a visually appealing and user-friendly manner to stakeholders and executives.
- Provided actionable recommendations based on data analysis, contributing to revenue growth and cost reduction initiatives.
- Mentored junior data analysts, providing guidance on analytical techniques, tools, and best practices.
- Conducted training sessions and workshops to educate business users on data analysis techniques and tools.
- Transformation and Loading (ETL) and SQL Server, ORACLE, and other relational and non - non-relational databases.
- Generated DDLs and created tables and views in the corresponding layers.
- Implemented business logic using store procedures, TSQL, and Triggers (DML and DDL)
- Experience in the Oracle development toolset (Including PL/SQL).
- Mentored junior data analysts, providing guidance on analytical techniques, tools, and best practices.
- Conducted training sessions and workshops to educate business users on data analysis techniques and tools.
- Participated in requirements meetings and data mapping sessions to understand business needs.
- Conducted in-depth analysis of large datasets to identify trends, patterns, and insights.
- Developed and implemented data cleaning and validation processes to ensure data accuracy and integrity.
- Migrated Catalogs and Reports to Congo's 8 environments.
- Experienced in forecasting the data space requirements using features like Capacity planning, mapping sources to target data using the data lineage feature, and calculating the impact analysis.
- Expertise in creating schema objects and performance Tuning of SQL coding.
- Leveraged text, charts, and graphs to communicate findings in an understandable format.
- Utilized Python libraries such as Pandas, NumPy, and Matplotlib for data manipulation, analysis, and visualization.
- Analyzed large amounts of data to identify trends and find patterns, signals, and hidden stories within data.
- Conducted statistical analysis to derive meaningful insights from data sets.
- Collaborated with domain experts to understand data requirements and provide data-driven recommendations.
- Identified, reviewed, and evaluated data management metrics to recommend ways to strengthen data across enterprises
- Interpreted business questions and collaborated with engineering teams to identify data sources
- Assessed large datasets, drew valid inferences, and prepared insights in narrative or visual forms
- Mapped process activities to identify shortfalls and propose options to rectify operational inefficiencies
- Increased annual revenue by 5% by recommending improvements in job efficiency.
- Use SAS to clean, manipulate, and analyze data to derive insights. To create reports, dashboards, and visualizations that help my organization in making informed decisions.

DATA ANALYST   **Feb 2019 – Mar 2022**

Custom Concrete

- Created database Design of Fact and dimensions Tables and conceptual, Physical, and Logical data Models using the Erwin tool.
- Gathered and documented the Audit trail and traceability of extracted information for data quality.
- Worked with the Business Intelligence and ETL developers on the analysis and resolution of data-related problem tickets and other defects and assisted them in designing efficient processes to load and manage the data, including a data
- Coordinated statistical data analysis, design, and information flow.
- Created various Excel documents to assist with pulling metrics data and presenting information to stakeholders for concise explanations of the best placement for needed resources.

- Produced monthly reports using advanced Excel spreadsheet functions.
- Understand requirements meetings and data mapping sessions to understand business needs.
- Assisted in the development of data analysis frameworks and methodologies, ensuring consistency and accuracy in data analysis processes.
- Developed and implemented data visualization solutions using Tableau, effectively communicating key findings to non-technical stakeholders.
- Collaborated with business units to identify data needs and define key performance indicators (KPIs) for measuring business success.
- Conducted A/B testing and analyzed experimental data to evaluate the impact of business initiatives.
- Prepared comprehensive reports and presentations, summarizing findings and recommendations for executive management.
- Assisted in the development of data analysis frameworks and methodologies, ensuring consistency and accuracy in data analysis processes.
- Conducted data mining and exploratory analysis, uncovering insights to support marketing campaigns and product development.
- Proficient in designing Star and Snowflake schemas with a very good understanding of fact
- Collaborated on a project that utilized Tableau to visualize patient flow patterns, leading to optimized
- Resource allocation and a 10% decrease in emergency room congestion.
- Use of Python to program health monitoring devices, wearables, and Internet of Things (IoT) devices that collect and transmit patient data. And to track vital signs, activity levels, and more.
- Implemented advanced calculations and analytics in Tableau to analyze patient demographics, disease
- trends, readmission rates, and resource utilization, contributing to improved patient care strategies.
- Created insightful data visualizations and reports to communicate findings to stakeholders.
- Analyzed SAP transactions to build a logical business intelligence model for real-time reporting needs
- Compiled, evaluated, and reviewed engineered data for internal system
- Extracted, cleaned, and transformed complex healthcare data from various sources, including electronic
- Health records (EHR), claims data, and patient satisfaction surveys.
- Interpreted results using various techniques from simple data extraction to complex data mining
- independently
- Documented business workflow for stakeholder review

Academic Background

Bachelor of Science - Kinesiology   **2013 to 2018**
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Certifications & Accomplishments

- Certified Data Analyst (CDA)
- Tableau Desktop Specialist
- Certified Analytics Professional (CAP)
- SAS Certified Advanced Analytics Professional
- AWS Certified Data Analytics

Reference

Will be provided upon request.