

Emily Davis

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PROFESSIONAL SUMMARY

Results-driven Data Analyst with 4 years of experience transforming complex data into actionable insights with a background in healthcare analytics. Proficient in predictive modeling, statistical analysis, and data visualization using Python, SQL, and Power BI. Demonstrated success in building interactive dashboards, optimizing operational processes, and collaborating across departments to drive strategic decision-making and improve outcomes.

PROFESSIONAL EXPERIENCE

Data Analyst | Insight Analytics | Sydney, NSW | Feb 2020 – Present

- Developed predictive models using machine learning techniques to forecast patient outcomes and resource utilization, improving operational efficiency by 15%
- Built and maintained 20+ interactive dashboards in Power BI for executive decision-making, translating complex healthcare data into actionable insights
- Collaborated with cross-functional teams to ensure data integrity and alignment with strategic goals
- Analyzed clinical and operational data to identify trends and improvement opportunities, presenting quarterly reviews with data-driven recommendations
- Automated ETL pipelines using Python and Airflow, reducing data refresh time from 24 hrs to 3 hrs and enhancing data accuracy

BUSINESS INTELLIGENCE INTERN | RETAIL DYNAMICS | SYDNEY, NSW | JAN 2019 – JAN 2020

- Assisted in building SQL queries for extracting insights from a 20M+ row database, developing skills applicable to large healthcare datasets
- Developed KPI dashboards for performance tracking, gaining experience in strategic metrics visualization
- Conducted ad-hoc analysis to support business decisions, leading to a 12% increase in performance metrics

EDUCATION

Bachelor of Business Analytics | University of Sydney | 2018

Relevant Coursework: Statistics, Data Mining, Machine Learning, Business Intelligence, Healthcare Analytics

KEY SKILLS

- Technical: Python (pandas, NumPy, scikit-learn), SQL, Power BI, Advanced Excel, ETL Processes
- Analytics: Predictive Modeling, Statistical Analysis, Machine Learning, Data Visualization
- Healthcare: Performance Metrics Analysis, Operational Optimization, Patient Outcome Analysis
- Soft Skills: Strategic Thinking, Cross-functional Collaboration, Stakeholder Communication

ACHIEVEMENTS

- Developed automation tools that reduced manual reporting effort by 20 hrs/month
- Increased accuracy of predictive models by 35% through advanced algorithm implementation
- Created data-driven solutions that were adopted organization-wide to improve operational efficiency