DANE TIPENE

DATA ANALYST

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PROFESSIONAL SUMMARY

Introduction Video

Results-driven Data Analyst skilled in R, Python, SQL, Tableau, Power BI, and Excel, with proven expertise in automation, data transformation, and regulatory data quality. Specializing in streamlining manual processes, building robust data pipelines, and delivering actionable insights through advanced analytics, visualization, and stakeholder reporting. Passionate about problem-solving and leveraging machine learning to drive business outcomes. Actively advancing expertise through machine learning projects and advanced analytics coursework.

KEY SKILLS

- **Programming & Data Manipulation**: R (including automation scripting), Python, SQL, Scikit-Learn, ETL
- **Data Automation:** R automation scripting, Azure stored procedures, workflow scheduling, process monitoring
- **Data Visualization**: Tableau, Power BI, Excel, Matplotlib, Seaborn, ggplot
- **Statistical Analysis**: A/B Testing, Hypothesis Testing, Probability, Sampling
- **Machine Learning**: Predictive Modelling, Regression, Decision Trees, Random Forest, XGBoost
- **Data Analysis**: Exploratory Data Analysis (EDA), Data Cleaning, Feature Engineering, data quality assurance
- **Data Storytelling & Reporting:** Dashboard development, Report Generation, Actionable Business Insights

TOOLS & TECHNOLOGIES

Python | SQL | R | Tableau | PowerBI | Azure | Excel | Jupyter Notebook | GitHub | MS Word | PowerPoint | Canva

PROJECTS & EXPERIENCE

Data Analyst, Essential Services Commission | May 2025 - Ongoing

- Led the automation of regulatory data QA pipelines using R, transforming a manual, 12+ day validation process for quarterly energy retailer submissions into an automated workflow completed in under 2 days, significantly increasing data integrity and auditability.
- Led key data maturity projects at ESC by developing and maintaining Azure SQL stored procedures to automate ETL processes, enhance data governance, and establish scalable, reliable data infrastructure.
- Delivered actionable regulatory insights by analyzing complex compliance data and producing executive-level dashboards and reports for internal and external stakeholders.

Project, Essential Services Commission Energy Affordability Analysis | Mar 2025

Energy & Affordability Cost-of-Living Analysis

- Identified a 5.85% overall arrears decline but a 15.3% rise in higher debt brackets, signalling growing financial strain.
- Analysed disconnection trends, uncovering a 7.4% increase in warnings but a 54.8% drop in actual disconnections, highlighting service retention gaps.
- Examined financial assistance retention, revealing 15.93% program growth yet 65.4% of exits due to non-compliance, informing policy discussions.
- Presented executive-level findings, supporting consumer protection strategies to mitigate financial hardship.

Project, Google Advanced Data Analytics Professional Certificate | Feb 2025

Salifort Motors Employee Attrition Analysis

- Built an XGBoost model to predict employee attrition, achieving 96.7% AUC-ROC, enabling proactive HR retention strategies.
- Improved model interpretability and accuracy by restructuring company tenure into categorical variables, resulting in a 15.38% improvement in recall.

- Implemented a confusion matrix and evaluation metrics, prioritizing recall to ensure accurate identification of at-risk employees.
- Identified and removed data leakage risks, refining workload-based predictors to enhance real-world applicability.
- Developed HR-focused retention recommendations, emphasizing workload balance, career growth, and pay transparency.

Project, Google Advanced Data Analytics Professional Certificate | Jan 2025

TikTok Capstone Claims Classification

- Executed in-depth EDA on TikTok user interactions using Python (pandas, NumPy, Seaborn), uncovering content engagement trends that optimized moderation strategies.
- Built a high-precision Random Forest model (99.5% accuracy, 99.21% recall) to automate content moderation, reducing manual review workload.
- Performed statistical analysis including hypothesis testing, OLS, and logistic regression models.
- Designed and deployed interactive Tableau dashboards, allowing stakeholders to explore key findings and data-driven insights.

Project, Accenture North America Data Analytics and Visualization Job Simulation on Forage | Nov 2024

Social Buzz Content Analysis

- Processed & analysed 7 datasets to uncover key social media content trends, guiding client engagement strategies and IPO preparation.
- Developed a fully interactive Tableau dashboard showcasing engagement metrics.
- Delivered insights through a PowerPoint presentation & video summary for stakeholders.

Data Analyst, Waikare Community Development & Research Trust (HRCNZ Funded Project) | Jul – Oct 2024

Pona Kaká Initiative

- Conducted qualitative & quantitative data analysis on Māori arthritis management, transforming interview transcripts into structured insights.
- Built datasets using Excel & Python, performing descriptive statistics & trend analysis to extract actionable recommendations.
- Compiled findings into an engaging Canva report, earning stakeholder recognition and an invitation for future projects.

ADDITIONAL EXPERIENCE

Retail Forex Trader, Self Employed | May 2020 – Jan 2024

- Analysed large datasets to optimize trading strategies, improving win/loss performance by 31%.
- Optimized trading systems by conducting manual back testing, ensuring strategy validation and performance consistency.
- Implemented enhanced risk management strategies, reducing trading losses by 25%.
- Led strategy workshops for traders, providing insights into market trends and risk management techniques.

Head Chef, Northridge Country Lodge | Jan 2009 – May 2020

- Optimized cost management, reducing food waste by 30% while ensuring profitability & compliance.
- Trained & mentored chefs, fostering a high-performance team culture.
- Led kitchen operations, managing inventory, budgeting, and team coordination.

Culinary Professional, (Junior to Head Chef Roles) | Jul 1998 – Dec 2008

- Totaling 22 years of professional experience, including three Head Chef roles, leading high-performing teams and optimizing kitchen operations.
- Applied data-driven decision-making to enhance profitability, efficiency, and cost management, aligning operational strategies with business goals.

EDUCATION

Professional Certificate | Google Business Intelligence, *Coursera (Ongoing)*

Professional Certificate | Google Advanced Data Analytics, *Coursera*

Course | Google AI Essentials, *Coursera*

Professional Certificate | Google Data Analytics, *Coursera*

Course | Stacey Burke Best Trade Setups Playbook
Course | The Forex Trading Coach
Course | Elliot Wave Theory

Levels 1 – 4 | Professional Cookery, *HSI*