

Jeffrey Jose

Senior Data Analyst

Profile Info

I believe that data tells us more than just numbers, it defines the world around us and helps us to understand the revolving world. I am a Data Scientist with a strong statistical background and experience within data processing, database management and data mining algorithms to solve challenging problems in the business world. I am heavily involved within the Kaggle data science community and R community. I have a keen passion for predictive analysis and modelling.

Education Background

University of Waikato
Hamilton | 2017 – 2020

Bachelor of Computing & Mathematical Science (Hons)
Data Analytics & Computer Science

Grade: First Class Honors

Certifications

Data Analytics Professional Certificate
Google LLC | Nov. 2022

TensorFlow Professional Certificate
DeepLearning.AI | Jul. 2022

Data Science Professional Certificate
IBM | Jun. 2022

Academic Excellence
Golden Key Intl. Honor Society | Mar. 2019

Contact



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Professional Experience

Senior Data Analyst

Western Australia Health

Perth, WA, Australia | Nov. 2023 – Present

- Led the statewide safety and quality application, monitoring the performance of hospitals in Western Australia across 38 indicators aligned with national and state standards.
- Reported critical healthcare issues directly to the Director General of Health, providing insights into the state's healthcare system.
- Presented to interstate health agencies and boards on the application and the use of statistical process control charts for performance monitoring.
- Spearheaded the statewide "Making Data Count" initiative, adapted from the NHS, improving performance monitoring through refined statistical process control charts.
- Engineered a dashboard to monitor statewide stroke data, supporting clinicians with up-to-date information for decision-making.
- Developed a natural language processing tool to extract diabetic information from patient discharge summaries, enabling diabetes code assignment four months ahead of standard clinical coding.

Data Analyst

Health New Zealand

Hamilton, New Zealand | May. 2022 – Dec. 2023

- Built a forecasting model to determine the length of stay for a given patient at the time of admission.
- Built model to determine the patient volume for the next 12 months which is used for hospital care planning.
- Conducting an outpatient waiting list statistical analysis and building a simulation model to understand how to speed up the waiting process.
- Built a data pipeline and dashboard which allowed the Emergency Department to keep a track of the number of patients and duration that each patient has requested a bed for. This is important as the hospital is always under pressure to stick to a timeline to ensure that an optimal number of patients get seen through the Emergency Department each day.

Data Scientist

Luma Analytics

Auckland, New Zealand | Jun. 2021 – May. 2022

As part of a consultancy group, I have worked with a range of clients such as Tower Insurance, TVNZ and Kiwibank.

- Worked in an agile environment.
- Created a data quality dashboard in PowerBI and SQL script for a client to monitor the quality of their existing data and their data collection method.
- Wrote an automated Python, R and Scala script to take data from multiple data storages and manipulate it to feed into a dashboard that portrays the views by numerous metrics for on-demand shows on a streaming platform. This was done on Azure Databricks.
- Undertook remediation projects for a large bank that identifies customers requiring remediation and the logic behind the remediation was scripted in SQL and automated to include new customers as they come in through the data pipeline and displayed in a Power BI dashboard for the business.

Technical Skills

R, Python, ESRI ArcGIS & Power BI



SQL, Oracle, MongoDB, Snowflake



Azure Platforms (Cloud Computing)



Java, C#, JavaScript



HTML/CSS/Dashboarding



Interpersonal Skills

Accuracy



Analytical Skills



Detail Orientation



Communication



Critical Thinking



Adaptability



Team Player



Oracle Data Analyst

Waikato District Health Board

Hamilton, New Zealand | Nov. 2020 – Jun. 2021

- Created dashboards using Qlik to showcase the inventory performance at a national and regional level.
- Produced an automated migration of data from Oracle to SQL through the SSIS package scheduled to run at an interval.
- Produce weekly transactional reports which were all automated through Python & R scripts.

Freelance Data Analyst

Upwork

Online | May. 2020 - Present

Data Scientist

Hamilton City Council

Hamilton, New Zealand | Nov. 2019 – Nov. 2020

- Analysed and provided a daily refreshing dashboard displaying the micro-mobility usage within the city. **Article Link:** [E-Scooters Get Thumbs Up.](#)
- Utilized clustering techniques and spatial analysis to investigate the neighborhood activity center distribution of the city which is used to plan the growth and the infrastructure of the city.
- Statistically based research to report on the post-effect of the installation of roundabouts in the city to divert traffic away from one of the busiest links in the city.
- Used clustering models to identify patterns and correlations between motorists' behaviour in the city business district and outlying suburbs. This was then coincided with a study that investigated the driving habits within the city compared to outside of the central city. All this work was completed in RStudio & ArcGIS.

Volunteer Experience

Performance Analyst

Kerala Blasters Football Club

Kochi, Kerala, India | Mar. 2024 – Jul. 2024

- Developed a self-serving Power BI dashboard for Kerala Blasters' first-team staff to review player and team performance in the league.
- Extracted data from Wyscout, providing insights into players and teams across three seasons to support recruitment and tactical planning.
- Built an automated team and player analysis script to assess performance during the season and for end-of-season reviews.
- Scoped and designed the data infrastructure for the club, integrating multiple data sources for comprehensive analysis.

Sponsorship Programme Committee Member

Australia Alopecia Areata Foundation Inc. (AAAF)

Perth, WA, Australia | Dec. 2023 – Present

- Served as a board member for the Alopecia Foundation, collaborating with members across Australia.
- Participated in discussions to determine the most deserving recipients of sponsorship for individuals affected by the condition.
- Attended general meetings to support the foundation's goals and initiatives.