

Angus Hewitt

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Profile

- **Over 9 years** experience as a Data / Statistical analyst.
- **Masters** of Analytics Degree @ RMIT.
- Advance knowledge of statistical languages and models
- **Baseline Security Clearance** - CSID:CS1053861

Experience

Senior Analytics Consultant - Work Safe Victoria: From April 24

In this role, I collaborated with the Fraud Analytics team to develop a variety of descriptive models and tools aimed at identifying and mitigating fraudulent claims. My key responsibilities included:

- Utilising advanced statistical techniques to generate a comprehensive set of features.
- Applying unsupervised learning models, such as principal component analysis and clustering algorithms, to analyse data.
- Producing actionable insights and predictive outputs that highlighted claims exhibiting high-risk patterns and avoidance behaviours.

Senior Data Analyst ~ Job Skills Australia (JSA): Oct 23 - Mar 24

In this role, I was contracted by JSA to develop BI products for a data science team, demonstrating the effectiveness of Natural Language Processing (NLP) models in mapping ASC skills to university curriculums. My key responsibilities included:

- Utilising advanced statistical models to distil large volumes of information into concise visualisations and statistical summaries.
- Illustrating the models ability to accurately map relevant skills to appropriate curriculums.
- Delivering outputs to stakeholders through interactive R-Shiny apps, deployed using the firm's R-Connect environment.

Data Scientist ~ Coles Group: Oct 22 - Apr 23

In this role, I was contracted to work with the advanced analytics team as part of a cloud migration project, which involved reproducing complex R Shiny apps in the firm's new cloud environment. This role provided a valuable learning experience, allowing me to enhance my skills in deploying apps using GitHub in a cloud setting and working in an agile environment. My key responsibilities included:

- Playing an integral role in improving many of the descriptive and predictive models used within the Shiny apps, addressing feedback that the model outputs did not reflect reality.
- Reshaping data to ensure statistical models could generate meaningful coefficients.
- Identifying and resolving issues with the use of linear models for non-normally distributed response variables, which previously resulted in models returning zero values regardless of input variables.

Senior analyst ~ Department of Health: Aug 18 – Sep 22

In this role, I leveraged my expertise in advanced analytics to support public health initiatives by providing data-driven insights and solutions.

- Utilised advanced statistical and predictive models, forecasting, visualisations, and descriptive statistics to extract insights and quantify factors driving performance and addressing critical public health issues.
- Led a project clustering hospitals based on their capability levels, incorporating extensive feedback from subject matter experts.
- Implemented a custom mixture model (cluster model) to account for patient complexity and volumes.
- Delivered outputs used by the minister's office and unions to determine appropriate nursing ratios for new emergency and inpatient wards.

Statistical Analyst ~ WorkSafe Victoria: Oct 17 – Aug 18

Performance & Membership Scheme Analyst ~ Ambulance Victoria - Aug 15 - Sep 17:

Education

Master of Analytics - RMIT (2016 Alumni)

My Master's degree in Analytics provided advanced training in statistical analysis, data modelling, and translating complex findings into actionable insights. The program emphasised practical, real-world problem-solving using tools like R, Python, and SAS, enhancing my expertise in predictive modelling, machine learning, and data visualisation.

Computer Literacy

Scale	1	2	3	4	5
R					
R Shiny					
SQL					
SAS					
Tableau					
Power BI					
Python					
Excel / VBA					
Github					
VS Code					

scale above: One is beginner level, three intermediate and five advanced

References

Alex Teh: Manager – WorkSafe

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Sarah Nelmes - Manager - Coles Group

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