

Matching Education, Training and Employment

Background

Vocational Education and Training (VET) partners with industry and government to provide people with workplace skills and technical knowledge to help them advance their career

Currently, 77% of VET graduates in NSW are employed after training


The **labour market** is constantly evolving, and **skills requirements vary** significantly across regions due to factors such as **geography, growth rate** and **socio-economic status**


The **DAC** has been engaged to identify where **Vocational Education and Training (VET)** could be **better tailored** to meet the **needs of both employers and jobseekers**


Implementation


Proof of concept has been successfully delivered, and the model currently is being expanded and refined into an operational final product

The Solution

 Used natural language processing to scrape job advertisement data from websites

 Aligned demand for skills with VET courses and distribution of government funding

 Tool provided stakeholders with a unique view of the job market and distribution of skills amongst past and prospected VET graduates

 Exposed discrepancies between education requirements of employers and popularity of VET courses, particularly in rural areas

“[The concept] is one we’ve worked through iteratively and we’ve been able to pull out a lot of different and diverse experts both from our side and the DAC’s to make this a truly collaborative piece of work.”

- Michael Lau, NSW Department of Industry

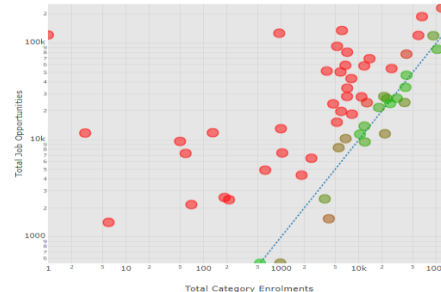
Impact

An opportunity to optimise the education system to cope with the job and labour markets through data-driven transparency between jobseekers and employers

Inform future students on emerging industries, and cut back enrolment in courses where the job market is oversaturated

Project has successfully united a number of government and non-government organisations

Cost-effective solution developed within NSW Government



“We were very much looking forward to the DAC helping us work out how to accurately match demand/supply to actuality. To help us work out if various courses are available... that will lead to jobs after study.”

- Michael Lau, NSW Department of Industry

Next Steps

The model is entering final stages to be refined into a fully usable product

Evaluating industry sectors in which this tool will provide optimal results. Currently commercial job websites are highly used