



DATA ANALYTICS PROGRAM

IN COLLABORATION WITH

Academy Xⁱ

CONTACT US

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Sept 2022

Data Analytics Program

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Generation

AUSTRALIA

WHO WE ARE

Generation is a global nonprofit organisation that transforms education to employment systems to prepare, place, and support people into life-changing careers that would otherwise be inaccessible. Our programs create real business value for employers and lasting career impact for participants.

Through our programs, adults of all ages—whether unemployed, underemployed, or needing to learn new skills—can connect to the training, support, and jobs to change their path.

OUR VALUES

Go further, together.



We are better together. We collaborate with and help others, both inside and outside of Generation.

Solve problems that matter.



We work on activities that do the most to advance our mission, and rigorously measure our impact to guide where we spend our time and resources.

Better our best.



We will never be perfect, and we always have more to learn. As long as we use data, experience, and dialogue to grow and improve, we are moving in the right direction.

Empower & support



We know that people do their best when treated with kindness and respect. We support and develop each other personally and professionally, allowing our unique talents and capabilities to flourish.

Here to serve.



We commit to enabling the learning and growth of our participants, and to providing great talent for our employer partners. One alone is not enough, our success depends on serving both groups.

Be open & transparent.



We believe in honest sharing. We welcome diverse perspectives, opinions, and ideas.

Generation

“Preparing, placing and supporting people into life changing careers.”

WHAT WE DO

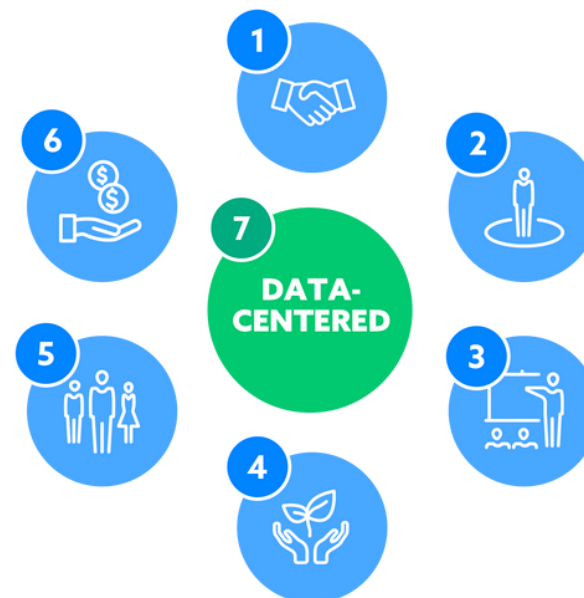
HOW DO WE PREPARE PEOPLE FOR A CAREER?

Generation prepares adults of all ages for jobs in four sectors. Our approach has seven components.

1. Jobs and employer engagement from the start.
2. Learner recruitment based on intrinsics, effort, and employment standards for the profession.
3. 4-16 weeks of technical, behavioural, mindset & professional presence skill training, with social support services provided.
4. Interviews with employer partners for immediate job placement.
5. Mentorship during and after the program and an alumni community that follows graduates into the workplace.
6. Return on investment for employers, students, and society.
7. A data-centred approach at every step.

Over 75 million young people are unemployed around the world, and almost three times as many underemployed. Simultaneously, many employers say they cannot find people with the skills they need for even entry-level positions.

In 2012, McKinsey & Company released a report that explored these issues and prompted the desire to do more. In late 2014, McKinsey founded Generation as an independent nonprofit, and our first programs launched in early 2015. We chose to start implementing Generation in five countries (India, Kenya, Mexico, Spain, and the United States) and since then, are now in 16 countries, including launching Australia's first program in 2019.



Become a Data Analyst



This program will provide you with skills in Microsoft Azure.

"The Azure cloud platform has more than 200 products and cloud services designed to help you bring new solutions to life—to solve today's challenges and create the future."

The Azure Data Fundamentals (DP 900) can be taken as an elective and can be used to prepare you for other Azure role-based certifications like Azure Database Administrator Associate or Azure Data Engineer Associate, but it is not a prerequisite for any of them.

WHY DATA ANALYTICS?

Data analytics is the analysis of data which is transformed into information. This information is used by people within an organisation to make intelligent business decisions. The data is collated, prepared and analysed and can be from different sources, sizes and formats.

Some of the benefits include:

- Data analytics helps organisations to make better business decisions
- Increases and enhances operational efficiency
- Mitigates risks and enhances security
- Provides information regarding customer behavioural changes
- Improves customer service and the quality of products and services

The demand for data analysts is growing exponentially, but there isn't enough talent to keep up with the growth of the sector. That's where we come in, providing highly motivated analysts who are ready to start work immediately.

ABOUT THE ROLE

The primary responsibilities of a Data Analyst include:

- Data collection and analysis from multiple sources
- Analyse and interpret data using statistical tools, pattern recognition and computer software etc.
- Create visualisations, including dashboards, flowcharts, and graphs to relay business concepts.
- Produce written reports of findings using tools like Power BI.
- Cleanse, model and consolidate data from various databases.
- Communicate and present findings and results.

Data Analytics Program

TRAINING PARTNER

Academy Xⁱ

Academy Xi is a community-led and purpose-driven education company. Their mission is to transform the world through education by empowering a community of changemakers with the skills to create waves of change and build a future-ready career or business. Based in Sydney and Melbourne, the Academy Xi team is dedicated to providing excellent online learning experiences for careers in tech.



PROGRAM INFORMATION

This program is 100% online, full-time for 13 weeks
Monday to Friday 9:00am-5:00pm
Starting on 19 Sept 2022 (AEST)

The curriculum is an introduction to Data Analytics for anyone who is passionate about data, and technology and the value it adds to society. The personal and technical skills taught in this program prepare learners for an entry-level role to expand on and develop in the field.

This course requires effective time management, collaboration with classmates, persistence, and great communication skills.

The curriculum includes a balance of non-technical and technical skills throughout the 13 weeks, and is designed to be a personalised journey of growth and development.

Every program day involves instructional lessons, independent work to reinforce skills, and community building sessions.

Participation from learners is vital as instruction is provided during live Zoom sessions. Audio & video are expected to be switched on for all sessions.

Data Analytics Program

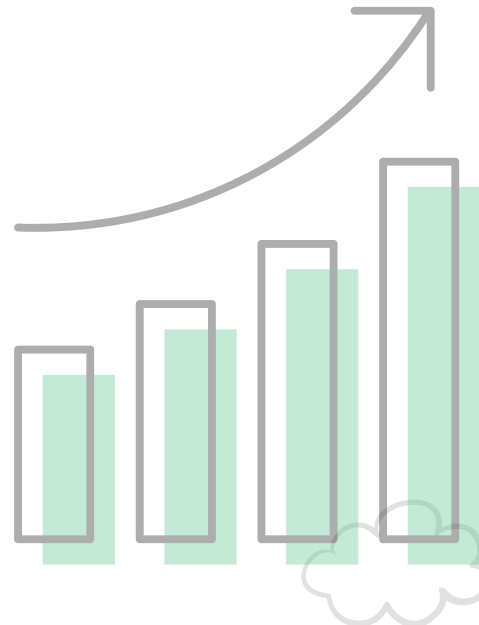
PROGRAM DEVELOPMENT

Generation Australia undertakes a process called **Activity Mapping** before developing any curriculum. This involves interviewing employers, Hiring Managers, Subject Matter Experts, and exemplary Analyst teams. We find out what technical skills are most important on the job and which behavioural skills and mindsets employers are looking for in candidates. Every module has been carefully curated to support you in becoming a successful Data Analyst.

Generation is equally committed to your personal development as it is to the technical knowledge you will gain. All of our programs include holistic support such as mentorship and coaching for every learner.

COURSE CONTENT

Our Data Analytics program has been designed to provide you with the most vital skills to start a career as a Data Analyst.



BEHAVIOURAL SKILLS & MINDSETS

- Growth Mindset
- Future Orientation
- Persistence
- Personal Responsibility
- Communication
- Teamwork
- Orientation to Detail
- Proactiveness

TECHNICAL SKILLS

- Critical thinking and problem solving
- Preparing a data pipeline
- Modelling and analysing data
- Data programming and management (Azure, SQL, warehouses & python)
- Data testing - quality assurance and cleansing
- Data visualisation
- Communication and presentation skills

OTHER KEY ASPECTS

Getting you job ready
Case studies & roleplays
Team projects
Community building
Social support

THIS PROGRAM WAS DEVELOPED WITH
SUPPORT FROM:



Mentoring Support

ABOUT

Generation Australia aims to support our program participants to find meaningful employment. As every participant has diverse backgrounds, challenges and goals, we provide mentoring as a means of supporting each individual in a way that assists their unique set of circumstances. Mentoring is provided to every participant whilst enrolled in a Generation Program and is a requirement for completing the program. The mentor and mentee work together to identify individual goals, work through personal challenges, and to strengthen the mentee's employment opportunities by focusing on practical skills and emotional intelligence

HOW IT WORKS

As a participant of Generation you are automatically connected with a Mentor. Our Mentor team have diverse professional support backgrounds, including psychology, HR, Social Work, Career coaching and holistic services. Your mentor will conduct formal check-ins with you throughout the program.

The Check-Ins cover;

- Relationship Building
- Identifying Goals
- Wellbeing
- Employment Essentials
- Personal Growth
- Planning for the future



Mentors are also available if a mentee needs to be referred to other services or to establish ongoing support after the program. For example, a Mentor may connect a mentee with ongoing psychology appointments or family support services.

Mentors are on call if a participant needs assistance outside of formal check-ins. Contact with your mentor lasts for the entire program and an additional month afterwards, with the aim to have a participant feel confident in their capabilities and strengths to find and keep employment that is satisfying and sustainable.

Post Program Support

MENTORING



The support doesn't stop when your program does!

Mentor support moves to a post-program format for four weeks after graduation. During this time participants are offered additional training sessions and resources that cover:

- CV, Cover Letter and LinkedIn presentation
- CV Drop In
- The Job application process from start-to-finish
- Interview Practice
- Communication (with an EAL focus)
- Time Management after the program
- Job Rejection Resilience
- Being a new team member
- 1:1 sessions for anyone needing tailored support.



The goal of Post Program mentoring is to ensure that all participants feel ready to interview for jobs and move into employment. We aim to support your wellbeing and build employment skills before you begin your search for employment.

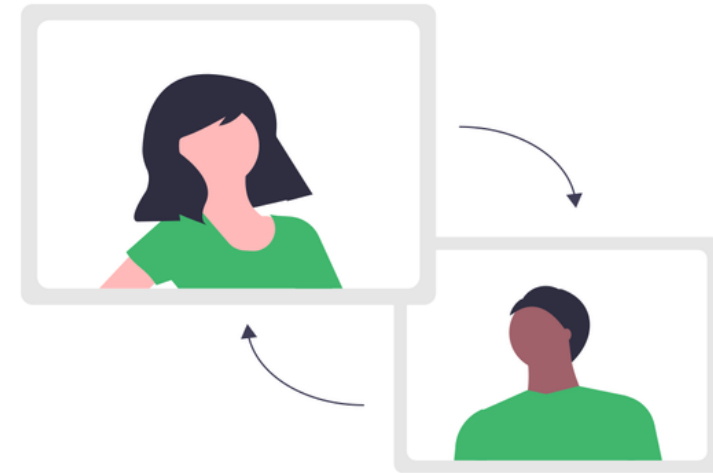
Post Program Support

EMPLOYMENT

For the first 4 weeks after graduation, you will work closely with our Post Program Mentor to get you "job ready" (see page 8 for more information). Our Placement Coordinators will support you with employment by providing you with more specific resume and interview support.

We are committed to supporting you in your journey to employment in the field you love and we do this in a number of ways.

- Our Placement Coordinators work closely with the Programs Team to organise opportunities for you to meet with Employer Partners during the program.
- Where an Employer Partner may not be the right fit, our Placement Coordinators will support you in finding other job opportunities. For example, shortlist you directly for some opportunities they may find through our networks outside of the Employer Partners.
- We support you in CV, Cover Letter and LinkedIn building, as well as Interview Preparation when you locate roles you want to apply to.
- 1:1 sessions for anyone needing tailored support.



One of the best perks we offer to our Alumni is the option to be matched with an industry volunteer career or tech coach.

The volunteer coaches come from all types of backgrounds and have extensive employment experience, ready to help you with your CV, LinkedIn, interview skills and anything else employment focussed.

How to apply

As a non-profit, Generation's purpose is to support people facing significant barriers to employment. We have limited spots on our program, so it is important we get an understanding of the challenges you've experienced seeking employment and how the program might help you overcome them. We'd also love to hear your future goals and how this program can help you to achieve them, along with how this program will impact your life on a personal & professional level.

ELIGIBILITY

You can apply for the program if you:

- Live in Melbourne, Sydney, Canberra
- Are an Australian or NZ Citizen, PR holder or on a Humanitarian Visa
- Are not currently in full-time employment, education or training
- Can participate online 5 days/week, 9am-5pm AEST for 13 weeks
- Are proficient in English Literacy
- You like Maths and are interested in working with numbers
- Are passionate about Tech Innovation and have some Tech skills

APPLICATION STEPS

Once you register, the application steps are:

1. **ONLINE APPLICATION FORM** - Fill out the application form online.
2. **LEARN MORE ABOUT DATA ANALYTICS** - There will be some online tasks related to the program and Data Analytics. These include a presentation, quiz, video and a chance for you to share your responses.
3. **MEET US** - We will check your eligibility for the program and invite you to an online video interview. This interview will be with a member of the Generation team and we will email you the questions we will ask in the interview beforehand.
4. **ENROLMENT** - Once we have met you and approved the online tasks completed, you will be invited to fill out an online Generation enrolment form to secure your spot on the program.
5. **ORIENTATION (ONLINE)** - During orientation, you will get to meet your trainers, program coordinator, and fellow classmates. You may also be provided with pre-reading material to get you prepared for classes.

Safe & Inclusive Learning
First Nations people are encouraged to apply

Funders



CLOUDERA

Keep in touch

Generation
AUSTRALIA

Instagram - @generationaustralia
Facebook - /generationaus
Linkedin - /generation-australia

CONTACT US

aus_daprogram@generation.org



Generation

AUSTRALIA

ACKNOWLEDGEMENT OF COUNTRY

Generation Australia acknowledges Aboriginal and Torres Strait Islander peoples as the First Australians and Traditional Custodians of the lands where we live, learn and work. We pay our respect to the Custodians of this land, Elders, past present and emerging.



SUPPORT

Generation Australia promotes a safe space for all and we proudly support and welcome people of any gender and identity.