



## Certificate of Achievement

# Matthias Giger

has completed the following course:

### WHY NUMBERS MATTER: QUANTITATIVE RESEARCH DEAKIN UNIVERSITY AND GRIFFITH UNIVERSITY

Research allows us to solve problems and to make evidence-based decisions. This online course provided an introduction to what quantitative research is, and why it's so important to making decisions.


2 weeks, 3 hours per week



**Christopher Stevenson**  
Associate Professor of Epidemiology  
Deakin University



**Nick Barter**  
Professor, Academic Director Griffith Online  
Griffith University



The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit [futurelearn.com/proof-of-learning/certificate-of-achievement](http://futurelearn.com/proof-of-learning/certificate-of-achievement).

This learner has not verified their identity. The certificate and transcript do not imply the award of credit or the conferment of a qualification from Deakin University and Griffith University.



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has completed the following course:

### **WHY NUMBERS MATTER: QUANTITATIVE RESEARCH** DEAKIN UNIVERSITY AND GRIFFITH UNIVERSITY

**100%**  
AVERAGE TEST  
SCORE

Research allows us to solve problems and to make evidence-based decisions. This online course provided an introduction to what quantitative research is, and why it's so important to making decisions. Learners formulated research questions, justified an appropriate research method and used statistics to analyse data to solve real world problems. This course explored why numbers matter, and the close relationship between quantitative and qualitative research.

#### **STUDY REQUIREMENT**

2 weeks, 3 hours per week

#### **LEARNING OUTCOMES**

- Apply statistical analysis, including types of data, averages, proportions and confidence intervals, to make decisions about real world problems
- Calculate bivariate correlations using computer software
- Develop an appropriate quantitative study design to answer a research question
- Justify the role of quantitative research in your research project

#### **SYLLABUS**

- Why numbers matter in quantitative research
- How to use statistics to analyse data and solve real world problems
- How to formulate research questions, informed by accurate and reliable measurement
- How to select and justify an appropriate research method to answer your question
- The close relationship between quantitative and qualitative research