



# UWA 2018/19 Summer School

## Economic and Business Statistics (STAT1520)

---

### Welcome

Thank you for your interest in UWA's annual Summer School, an additional teaching period for students and an opportunity for people to pursue an area of interest or up-skill and progress their career to the next level.

This year's UWA Summer School runs from late November 2018 until early February 2019 and includes nearly 60 units.

Our Summer School units cover a range of engaging topics across various disciplines and embed practical application and experiential learning.

I encourage you to visit [study.uwa.edu.au/summer](http://study.uwa.edu.au/summer), the UWA Summer School website for more information about all units on offer, the enrolment process and available services.

We look forward to welcoming you to the UWA Community this summer.

**Professor Graham Brown**  
(Dean of Coursework Studies (Acting))



THE UNIVERSITY OF  
**WESTERN  
AUSTRALIA**

**SUM  
MER  
SCHOOL**

# Your Unit

---

**Unit Name: Economic and Business Statistics (STAT1520)**

**Location: Perth Campus**

**Non-assessed Fee: \$1148.00** (*Enjoy the complete educational experience but without the stress of assignments*)

**Assessed Fee: \$1148.00** (*Enjoy the complete educational experience, including assignments/ exams and receive a final mark. The earned credit can be counted towards a future qualification at UWA*)

**Dates: 7 January 2018- 8 February 2019**

**Time: Tuesdays and Thursdays, 2pm-5pm** (*Note: assessments will be held on selected Fridays. Please visit timetable.uwa.edu.au for detailed information.*)

**Explore basic statistics and analysis through practical, real-world examples, and examine the necessity of statistics and analysis for contemporary economics and commerce.**

## Description:

No prior knowledge of economic or business statistics is required! Learn about basic statistics through topics such as displaying and summarising data, random variables and their distributions, normal and binomial distributions, confidence intervals, and introduction to analysis of variance. This unit covers essential skills for further study and employment in business and finance.

## Learning outcomes:

In this unit, you will:

- explore basic probability concepts in modelling real-life situations in business and other applied disciplines;
- practise using statistical packages such as the Data Analysis Tool in Excel in performing basic statistical procedures, and perform modelling using various distributions;
- apply decision-making processes on the means for more than two populations based on ANOVA techniques; and
- practise working in both an independent and team situation, and completing required work and project reports to deadlines.

## Lecturer:

### Marty Firth

Marty Firth is a lecturer and researcher in the School of Physics, Mathematics & Computing. His research interests include applied statistics, computational statistics, medical and biostatistics, and big data. He has applied his research to a wide range of projects from medical research to travel advisory systems. He has previously worked for the Telethon Institute for Child Health Research.

## Contact details:

Martin.Firth@uwa.edu.au

## Summer School Logistics:

- All external applicants will receive a parking permit to allow them to park on-campus, free of charge. See [transport.uwa.edu.au](http://transport.uwa.edu.au) for information about parking areas, and check your permit for more details when you receive it.
- All students will receive a PHEME account and access to the online learning system (LMS), online library and course materials.
- Free on-campus WIFI will be available through your PHEME account.
- The UWA Summer School Precinct includes a number of cafes with extended opening hours during Summer School. Visit the Student Guild website for more information. [www.uwastudentguild.com](http://www.uwastudentguild.com)
- Summer School students will have access to the Reid Library and all its facilities: computers, charging stations, electrical outlets, printers/copiers, rest areas, group study facilities, private study areas, and of course, the librarians and library staff.
- Lockers and change rooms are available in the Reid Library. Bike racks are located throughout campus. End-of-journey shower facilities are available at the Fitness Centre.
- Information about public transport and cycling to UWA can be found at [study.uwa.edu.au/summer](http://study.uwa.edu.au/summer)
- Further information, including course materials, detailed timetable information, PHEME details, and campus maps, will be provided prior to commencement of the unit.