



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

KNOW WHERE YOU STAND
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Computing & Mathematical Sciences
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Bachelor of Science

Statistics



BSc STATISTICS

Statistics is the science of collecting data and extracting information.

Statistical analysis is used to make informed decisions in most areas of human endeavour, such as agriculture, industry and commerce, law, medicine, forestry, psychology, insurance and economics. More than that, an understanding of statistics is essential to critical thinking: it is a skill that is useful in everyday life.

Studying Statistics makes you more aware of how data can be used to influence your decision-making. For example, to vote for a political party, to buy products, to form opinions on social issues, and many other everyday decisions.

People working in medicine, agriculture, manufacturing and government planning all rely on statistical data to make informed decisions.

Career Opportunities

Biometrics

Government Statistics

Industrial Statistics

Insurance and Finance

Market Research

Medical Statistics



Job Variety

Working as a statistician often involves working with people from other areas, such as scientists from biology, agriculture or earth science. You will often be acting as a trouble-shooter.

There is a shortage of people taking up careers in statistics. Over the next 5-10 years it is predicted that the need for statisticians will exceed supply.

Job Satisfaction

Developing computer models that can be used to make smart decisions based on statistical data collection and analysis of a real situation is a rewarding and enjoyable experience.



Statistics at Waikato

BSc Statistics

The BSc major in Statistics is a three year degree.

Your first year of study will give you a strong foundation in mathematics and computer science, as well as statistics. A good understanding of mathematical principles will help you to understand the hows and whys of the statistical methods that you encounter at second and third year. Practical statistics makes significant use of software to analyse and explore data.

Small class sizes guarantee you individualised support for your learning. Statistics courses are supported by computer laboratories that include high-end PCs, equipped with the latest versions of specialist statistical software packages.

BSc in Statistics and Economics

The three-year BSc in Statistics and Economics provides students with the skills needed for economic and statistical analysis. People who have statistical skills and a thorough understanding of economics are highly sought after as employees, by a wide range of private and public sector organisations.

Statistics teaches us how to deal with variability and how to collect and use data so that we can make correct judgements. Able students should also consider the flexible double major options in Statistics and Computer Science or Statistics and Mathematics.

BSc in Statistics and Database

The three-year BSc in Statistics and Databases is subject to approval by the Academic Board.