

Bachelor of Science (Honours) in Statistics

Department of Statistics and Data Science
Faculty of Science
College of Humanities and Sciences

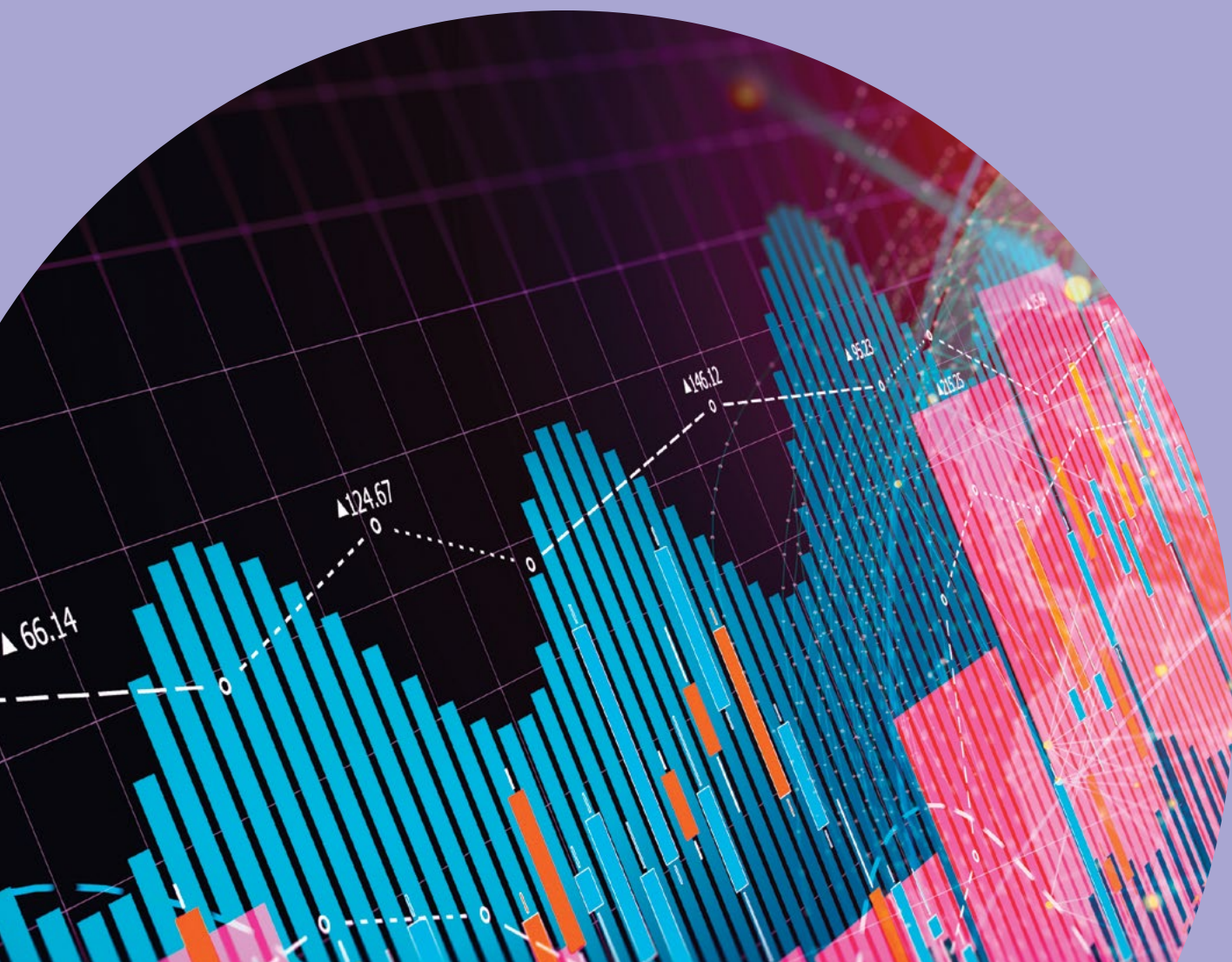
NUS Statistics

How effective is a vaccine likely to be? Where should a fast food restaurant set up shop? What is the probability of acing your next exam? In an increasingly unpredictable world, statistics increases the odds of success – by making data-driven decision-making possible.

At NUS Statistics, we teach you the knowledge and skills to derive insights from data. Our curriculum ranges from theoretical and applied statistics to applied probability – coupled

with courses on mathematics and computer science. With the ability to apply mathematical principles and leverage powerful computing tools, you will be able to collect, analyse, interpret and present data to gain powerful insights and make informed decisions.

While statistics is already interdisciplinary by nature, you can venture further to sample other disciplines of your interest. Under the **College of Humanities and Sciences (CHS)**, taking up a minor or second major is a distinct possibility. Put together with the broad-based skills imparted by the Common Curriculum, you will graduate with the means to chart your future with confidence.



Why NUS Statistics?



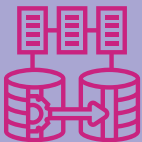
Extensive expertise

We offer the **only statistics undergraduate degree in Singapore** – taught by professors with diverse interests. Whether your curiosity lies in deep learning, Bayesian inference, computational biology or any other statistical field, you will find your intellectual guide here.



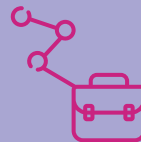
Curriculum philosophy

Beyond basic statistical methods – we teach you to understand the underlying principles behind them. By the time you graduate, you will literally **think differently** – armed with the skills of statistical thinking and problem formulation.



Synergistic specialisations

Keen to join the finance industry after graduation? Or simply have a personal interest in data explosion? You can choose to take up a specialisation in either **Data Science** or **Finance and Business Statistics** – lending an extra edge to your understanding of statistics.



Career opportunities

Statistics is a universal discipline, with **applications in all areas of science, engineering and commerce**. Our graduates become statisticians, data analysts, financial analysts, econometricians and researchers. They have the skills to unlock value in data, and are well-placed to contribute across industries such as advertising, consumer businesses, healthcare, manufacturing and public policy.



Academic Programmes



Primary Major in Statistics

Specialisation in

- Data Science
- Finance and Business Statistics



Second Major in Statistics



Minor in Statistics

Research Opportunities

Delve further into an area of your interest with a **Final Year Project (FYP)** or participate in the **Undergraduate Research Opportunities Programme in Science (UROPS)**.

Our research areas include:

- data mining
- financial statistics
- infectious disease modelling
- Monte Carlo methods
- statistical genetics
- survey design





"Statistics has trained us to become sharp thinkers and inquisitive learners – absolutely essential skills in the field of technology and innovation."

– **Joyce Tay**, Co-Founder and Chief Strategy Officer, StartupX
BSc in Statistics (2010)

"The rigorous curriculum in NUS Statistics has given me a strong head start and solid foundation in my data science career!"

– **Stan Neo**, Data Scientist, Standard Chartered Bank
BSc (Hons) in Statistics (2015); Master of Computing in Computer Science (2019)



Admission Requirements

Programme	Admission Requirements
Primary Major in Statistics	A good H2 pass (or equivalent) in Mathematics/Further Mathematics
Primary Major in Statistics with <ul style="list-style-type: none">• Specialisation in Data Science• Specialisation in Finance and Business Statistics	
Second Major in Statistics	
Minor in Statistics	

For applicants without H2 Mathematics, simply read the bridging course MA1301/MA1301X Introductory Mathematics.

Department of Statistics and Data Science

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