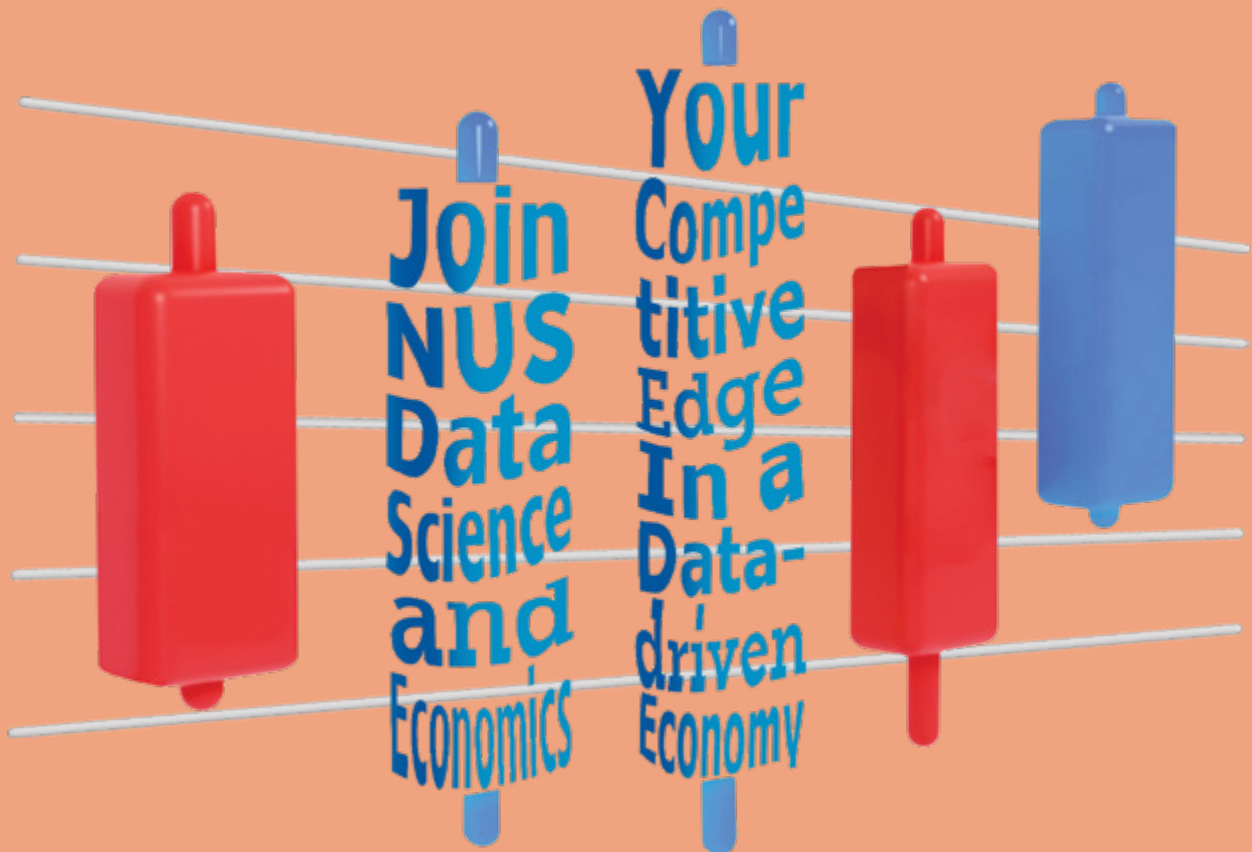


College of Humanities
and Sciences



Bachelor of Science (Honours) in Data Science and Economics

Jointly offered by the Faculty of Science
(Department of Mathematics and
Department of Statistics and Data Science)
and the Faculty of Arts and Social Sciences
(Department of Economics)
College of Humanities and Sciences



NUS Data Science and Economics

What is the true cost of COVID-19? What are the real benefits of a digital economy? What is the correlation between a growing gig economy and a country's economic growth? In the face of such complex economic problems, economists and policymakers not only need to have tools to sort through the information haystack, but also skills to find the needle from within, make sense of it all and generate solutions.

The NUS Data Science and Economics Cross-Disciplinary Programme (XDP)* equips you with the knowhow to integrate knowledge across both disciplines

– built on foundations in computer science, mathematics and statistics. Besides learning the theories of data science and economics, you will also be taught to apply them to real-world challenges. Put together, the curriculum prepares you to address emerging business and societal needs – with the rigour of data science and intuition of economics.

As part of the **College of Humanities and Sciences (CHS)**, you can choose to expand your skill set with a second major or minor under CHS (and beyond). The Common Curriculum also ensures that you get the full package of skills – such as design thinking and writing – to set you up for the future of work.

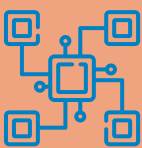
* The Data Science and Economics Cross-Disciplinary Programme is jointly offered by the Faculty of Science (Department of Mathematics and Department of Statistics and Data Science) and the Faculty of Arts and Social Sciences (Department of Economics).

Why NUS Data Science and Economics?



Combined expertise

Our Data Science and Economics programme is the **first-of-its-kind in Singapore**. You get access to the expertise and resources of not just one, but three departments – Statistics and Data Science, Mathematics and Economics.



Cross-disciplinary learning

Computing techniques are rapidly becoming part of mainstream econometric tools in the face of exponential economic dataset growth. With our **tightly integrated curriculum** showing you the **close interplay between data science and economics**, you will be well equipped to solve data-intensive problems in economics.



Industry ready

Besides building a strong theoretical foundation, we also prepare you for the world of work with **industry-linked integrated courses designed with input from industry professionals**. Topped off with a **capstone project** in your final year – and you are all set to maximise your professional capital in a VUCA (volatile, uncertain, complex, ambiguous) world.



Career opportunities

In addition to taking on roles as **data science professionals and economists** in the public and private sectors, our graduates are expected to enjoy **diverse careers**. Even more so in industries where **professionals with cross-disciplinary expertise are in high demand** – consulting, financial services, healthcare, insurance and wealth management, amongst others.



Academic Programmes



Primary Major in Data Science and Economics

Research Opportunities

Follow your passion in research with a **Capstone Project** or participate in the **Undergraduate Research Opportunities Programme in Science (UROPS)**.

Our research areas include:

- data mining
- econometrics
- macroeconomic policy
- policy evaluation



"Data Science and Economics makes for a formidable combination that will remain relevant for years to come – amplified by the programme's emphasis on real-world applications."

– **Chong Tze Wyne**, Undergraduate Cross-Disciplinary Programme in Data Science and Economics



"The highly interdisciplinary nature of the Data Science and Economics programme allows me to pursue my passion for both fields and explore the synergies between them."

– **Young Zhan Heng**, Undergraduate
Cross-Disciplinary Programme in Data Science
and Economics



Admission Requirements

Programme	Admission Requirements
Primary Major in Data Science and Economics	A very good H2 pass (or equivalent) in Mathematics

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

Department of Mathematics

National University of Singapore

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