



Search Universities, modules here...

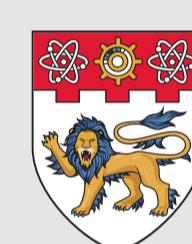
Course credit conversion for the universities: 4MC (NUS) = 3AU (NTU) = 2CU(SMU)



**Data Science
and Analytics**



**Data Science
and
Economics**



**NANYANG
TECHNOLOGICAL
UNIVERSITY
SINGAPORE**

**Data Science
and Artificial
Intelligence**



**Data Science
and Analytics
(2nd Major)**



Compare



NUS

National University
of Singapore

Data Science and Analytics

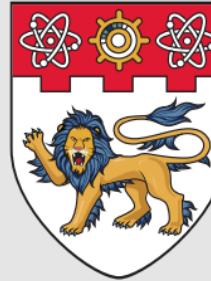


NUS

National University
of Singapore

Data Science and Analytics





NANYANG
TECHNOLOGICAL
UNIVERSITY
SINGAPORE

Data Science and Artificial Intelligence



NANYANG
TECHNOLOGICAL
UNIVERSITY
SINGAPORE

Data Science and Artificial Intelligence





Data Science and Analytics (2nd Major)



Data Science and Analytics (2nd Major)





NUS

National University
of Singapore

Data Science and Economics



NUS

National University
of Singapore

Data Science and Economics



Data Science and Analytics

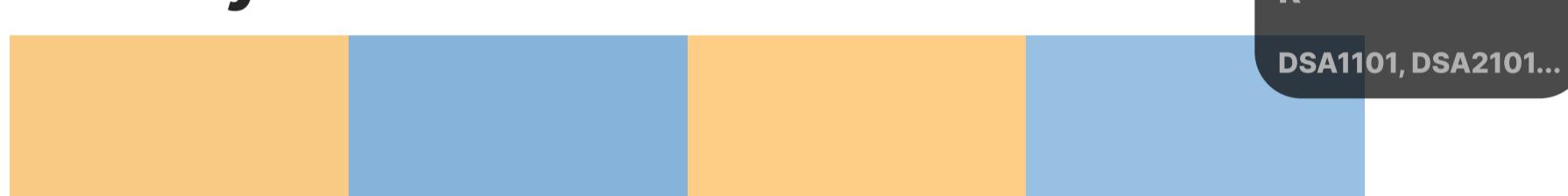
National University of Singapore

The four-year direct Honours programme is designed to prepare graduates who are ready to acquire, manage and explore data that will inspire change around the world. Students will read courses in Mathematics, Statistics and Computer Science, and be exposed to the interplay between these three key areas in the practice of data science.

Admission requirements:

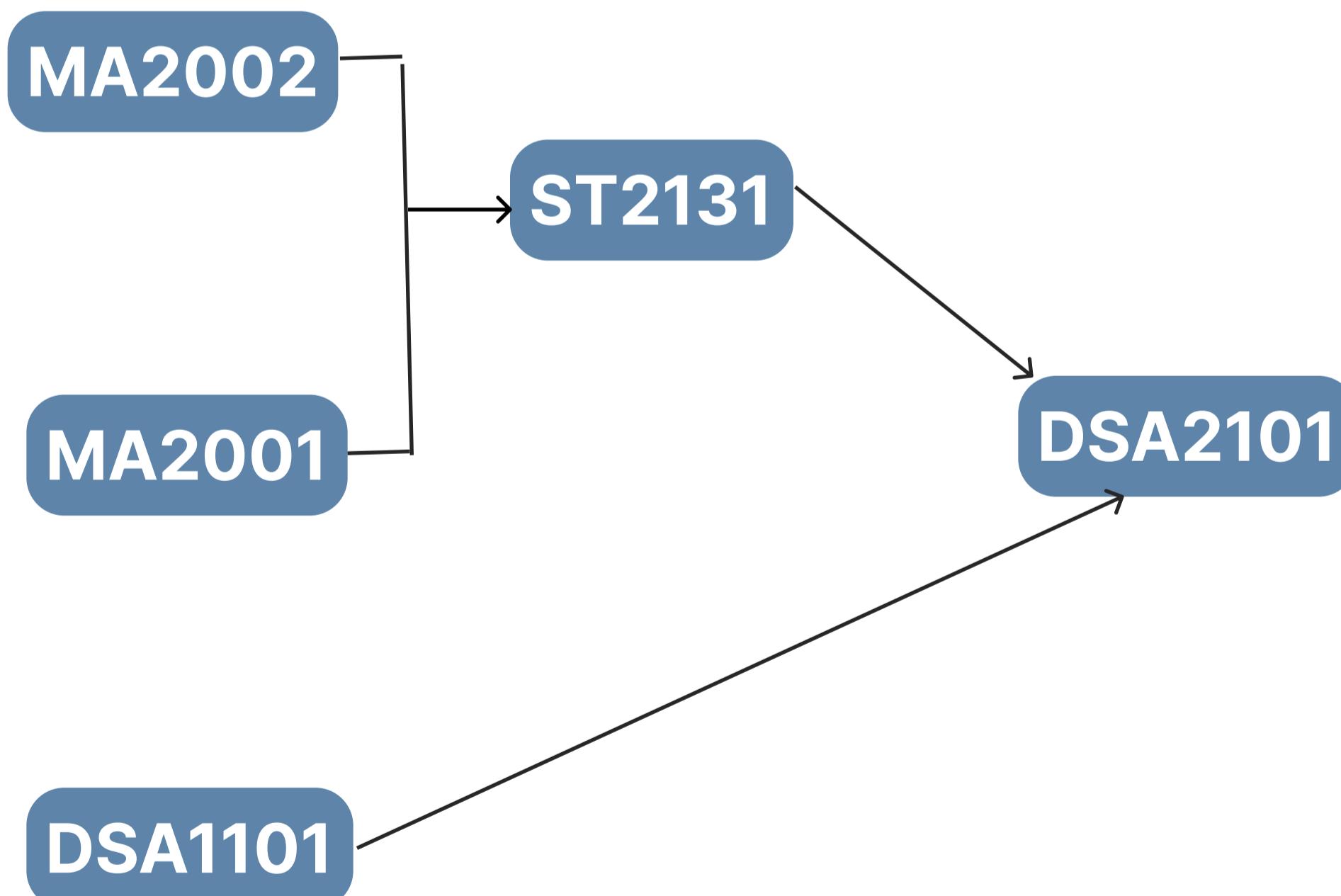


What you will learn



Course Tree

The course tree aims to provide an overview of the relationship between core courses in the programme.



More Information

- NUS Official Website
- NUSMods
-

[NUS] DSA1101

Introduction to Data Science

The abundance of data being harvested from various sectors of today's society increases the demand for skilled data science practitioners. This course introduces foundational data science concepts to prepare students for tackling real-world data analytic challenges. Major topics include basic concepts in probability and statistics, data manipulation, supervised and unsupervised learning, model validation and big data analysis, alongside special topics discussed in guest lectures delivered by practicing data scientists from government and industry. Throughout the course, students will learn fundamental R programming skills to implement and apply the data science methods in motivating realworld case studies from diverse fields.

Similar Modules

There is currently no module that is similar to that of [NUS] DSA1101 being offered.

What you will learn



Hello!

We would like to encourage everyone who enjoyed using DataCompass to contribute back to the community by writing reviews for courses that you have taken before.

Please note:

1. Because the experience of each course will differ according to the professor teaching the course, at the start of your review, please state the semester taken and the name of the professor who taught the course in that semester.
2. Other students will read your review to get an idea of what taking the course will be like. If you'd like to give feedback about the course, please use the official Student Feedback system of the respective university.
3. The claims made in these reviews have not been verified. Please take all claims with a grain of salt.

Reviews

Enter your reviews here

Showing 2 of 12



User

AY 22/23 Sem 1

Lecturer: Prof Henry

The module is very hard please do not take.

3 days ago



User

AY 22/23 Sem 1

Lecturer: Prof Henry

Easy peasy A!

2 days ago

[View more reviews](#)

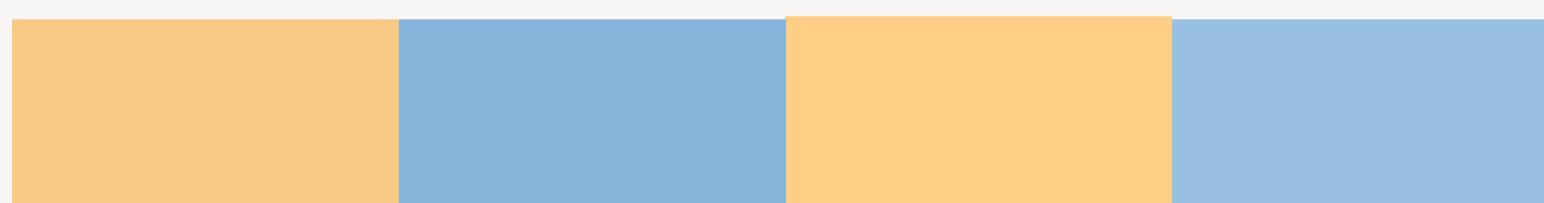
2 days ago

[NUS] DSA3101

Data Science in Practice

This course is designed to be a continuation of DSA1101 Introduction to Data Science. It focuses on data science methodology and the ability to apply such methodology to practical applications. Real-world problems will be provided by both industrial and academic partners in domains such as transportation, consulting, finance, pharmaceutics, life sciences and physics.

What you will learn



Reviews

Enter your reviews here



User

AY 22/23 Sem 1

Lecturer: Prof Amanda

I spend 10 hours studying for it every day, still a C.

3 days ago



User

AY 21/22 Sem 2

Lecturer: Prof Henry

Easy peasy A!

10 months ago



User

AY 21/22 Sem 1

Lecturer: Prof Henry

Easy peasy B!

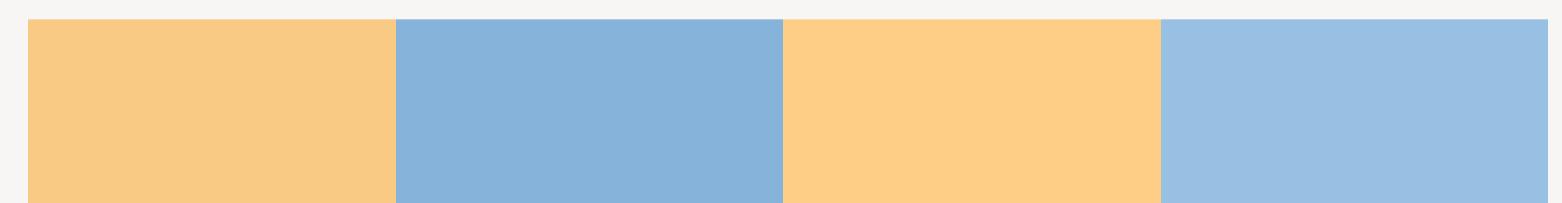
2 days ago

[NUS] DSA3102

Essential Data Analytics Tools: Convex Optimisation

Convex optimisation is an indispensable technique in dealing with high-dimensional structured problems in data science. The course covers modelling examples; basic concepts for convex functions and sub-gradients; gradient and sub-gradient methods; accelerated proximal gradient methods; stochastic block coordinate descent methods; Lagrangian duals; splitting algorithms and implementations.

What you will learn



Reviews

Enter your reviews here



User

AY 22/23 Sem 2

Lecturer: Prof Ken

This module has a pretty steep learning curve and an even steeper bell curve

2 days ago



User

AY 21/22 Sem 1

Lecturer: Prof Christopher

The lectures were extremely dry. Imagine 1.5h where the lecturer is just trying to explain 2 questions. I appreciate the in-depth explanations, but why did he spend the first half of the sem on the easiest 2 topics, and then rush the last few hard topics, the ones that actually need more time in the later half of the sem.

9 months ago

Data Science and Analytics

National University of Singapore

The four-year direct Honours programme is designed to prepare graduates who are ready to acquire, manage and explore data that will inspire change around the world. Students will read courses in Mathematics, Statistics and Computer Science, and be exposed to the interplay between these three key areas in the practice of data science.

Admission requirements:

What you will learn



Course Tree

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MA2002

ST2131

MA2001

Data Science and Artificial Intelligence

Nanyang Technology University

An undergraduate degree programme in Data Science and Artificial Intelligence, based on rigorous training in the synergistic fields of statistics and computer science.

The programme, which is run jointly by the School of Computer Science and Engineering and the School of Physical and Mathematical Sciences, targets students who have the vision of using data science and artificial intelligence (AI) to find innovative solutions to society's pressing challenges.

Admission requirements:

What you will learn



Course Tree

The course tree aims to provide an overview of the relationship between core courses in the programme.