

# What is Data Science? Want a career as a Data Scientist?

Get your answers at the  
Data Science and Analytics Day!

*Organized by the Department of Mathematics*



**Wednesday 14 March  
2.15pm to 4.30 pm**

**NUS, Faculty of Science,  
LT 31 (S16 Level 3)**

## Revealing the Potential of Data Science across Industries

**Dr LOKE Chok Kang** | Principal Analyst (Human Resource Intelligence), Public Service Division

Data science has become a mainstream tool that aids decision-making for businesses, across enterprises, within the private and public sectors. Over the last century, there have been a rise and dip in various professions, professions that have fuelled revolutions of their time. The 21st century is poised for a data science revolution. Data science allows one to derive game-changing insights and make data-driven decisions. This has brought about a transformational revolution across numerous sectors. Dr Loke will also share his career experience, how to build a strong career foundation and how a data science degree can equip you with skills for the data science industry.

## The Mathematics of Reinforcement Learning

**Dr LI Qianxiao** | Scientist, Institute of High Performance Computing

Learn more about the basic theory and applications of reinforcement learning, which is an important branch of machine learning that mimics the way biological agents learn through experience. We will discuss how such problems can be formulated mathematically and how one can apply these mathematical models to solve real-world problems.

## How Computers became Masters at Playing Go

**Dr Adrian ROELLIN** | Associate Professor, Statistics & Applied Probability, NUS

What was thought to be decades away a few years ago has now become a fact: Computers are better at playing Go than humans. Find out more about what is inside the brain of AlphaGo and how mathematics and big data have played a crucial role in this development.

## Refreshments & Interaction with Speakers

(Image credit: Google Images – <https://analyticsforinsights.files.wordpress.com/2015/04/superman-data-scientist-graphic.jpg>)



*This event is suitable  
for pre-university students and general public.*

Admission is free. Registration is required at  
<https://tinyurl.com/y8gkfmhl> or scan the QR code  
(limited seats, first-come-first-served)



Department of Mathematics  
Faculty of Science