



Invitation



World Statistics Day

Better Data. Better Life.



Application of statistical methods in real-life problem solving is expanding beyond any limits.

Tuesday 20 October 2015 has been acknowledged as 'World Statistics Day' by the UN General Assembly. Statistics help decision makers develop informed policies that impact millions of people. Statistics has been ranked by **Fortune** as the top graduate degree based on salary, growth and job satisfaction. USQ is proud to host Dr Neil Gordon and Ross Darnell to celebrate the Day.

Bayesian Statistics and the Search for Flight MH370 by Dr Neil Gordon

Defence Science & Technology Group, Adelaide, Australia

On 7 March 2014 Malaysian Airlines flight MH370 carrying 239 passengers and crew from Kuala Lumpur to Beijing lost contact with Air Traffic Control and was subsequently reported missing. Dr Gordon is a member of the Australian Transport Safety Bureau search advisory team and in this talk will show how Bayesian statistical estimation methods have been used to process the Inmarsat data and produce a probability distribution of MH370 flight paths that defines the current search zone in the southern Indian Ocean.

Data Literacy in a World of Big Data

by Dr Ross Darnell

Principal Research Scientist at CSIRO, Brisbane, Australia

There is an increasingly large amount of data becoming available either publicly or available to scientists across the globe. Making honest predictions from these data is not necessarily determined by quantity. Even large datasets can be generated with limitations which define their quality. In this talk I will argue that data scientists need to be trained to understand these limitations of empirical evidence.

Why World Statistics Day?

An Introduction by Professor Shahjahan Khan, University of Southern Queensland

Date: Tuesday 20 October 2015

Time: 9.30am – 11.30am (Light Morning Tea included)

Location: Q501 or Council Chambers (TBC)
University of Southern Queensland
West Street, Toowoomba

RSVP: 16 September 2015

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