

# Data Analytics

Data is Power



13 September 2016 • Sydney



Register Now

[www.actuaries.asn.au/Data2016](http://www.actuaries.asn.au/Data2016)

The second **Data Analytics Seminar** will be held on 13 September at Institute HQ in Sydney. The first half of the Seminar will provide an update on the current state of play in the market, and recent trends in the data analytics field. Our speakers will cover different fields and provide examples of how they are using data.

In the afternoon, you will be given the opportunity to expand your programming and data analytics skills, through two interactive workshop sessions. We will introduce a broad range of modern predictive learning techniques, including nearest neighbour, neural nets, penalised regression and tree-based ensembles. These sessions will come with worked example code and tutors

to assist. The final session of the day will even have you enter a Kaggle competition, with prizes available for the winning entries!

All experience levels are welcome! It would be beneficial if participants are familiar with R or another programming language. If you are new to this area you can learn from your peers or complete a brief introductory R course prior to the seminar. Two possible free online options that take no more than 4 hours to complete are:

<https://www.datacamp.com/courses/free-introduction-to-r> and <https://www.coursera.org/learn/r-programming>

A pre-seminar information pack will be sent to registered participants before the Seminar.

## Program Topics

### Plenary 1 – Chair: Mitch Prett

**Trends in Data Analytics** – Bob Williamson, Adrian Smolski

### Plenary 2 – Chair: Jenny Lyon

**Commercial Applications in Data Analytics** – Alex Macoun

### Plenary 3 + Plenary 4 – Chair: Mitch Prett

**Hands on Workshop Part 1 + Part 2** – Hugh Miller, Alan Whitelock-Jones

#### Facilitators



**Mitch Prett**

Group Executive Retail  
– *Quantium*



**Jenny Lyon**

Senior Vice President  
– *Actuaries Institute*;  
Director – *SKL*

#### Presenters



**Bob Williamson**

Chief Scientist, Research  
Director – *Data61*



**Adrian Smolski**

Big Data Evangelist (Pre-Sales),  
Technology Advisor  
– *MapR Technologies*



**Alex Macoun**

Group Executive of Media –  
*Quantium*



**Hugh Miller**

Senior Actuary – *Taylor Fry*



**Alan Whitelock-Jones**

Senior Actuary Data  
Analytics – *AMP*

#### Sponsors



**Register Now**