

Data Analytics – Exploratory Data Analysis MOOC

The data analytics space is a rapidly evolving area and there is a large opportunity for the actuarial profession to make a significant contribution to data analytics in Australia and globally. If you are interested in learning more about data analytics, The Data Analytics Working Group (DAWG) is encouraging members to undertake a MOOC (Massive Open Online Course). ***Even if you have no prior programming experience and haven't participated in our past study groups, it's not too late to start!***

We will run a MOOC study group to support you, providing a forum to discuss the MOOC's content and discuss any questions you have. There is a ***prize up for grabs*** for the student with the highest participation in the study group. Both the MOOC and the DAWG study group are run online, so you can participate from wherever you are in the world.

We have selected the fourth module of a ten-course Data Science Specialisation:

Name: [Course 4 – Exploratory Data Analysis](#)

Service Provider: Johns Hopkins University (via Coursera)

Cost: Free access to all course material¹

Time Commitment: Approx. 2-3 hours per week for 4 weeks for the MOOC. Study group time is up to you!

Timetable:

| Week | Week Commencing | Topics |
|------|-----------------|--|
| 1 | 3 July 2017 | Basic graphing in R |
| 2 | 10 July 2017 | Advanced graphing in R |
| 3 | 17 July 2017 | Statistical methods for exploratory analysis |
| 4 | 24 July 2017 | Case studies in exploratory data analysis |

Prize: The participant with the greatest contribution to the study group² will receive a free ticket to the Data Analytics Seminar on Tuesday 19 September 2017, valued at \$399.

Pre-Work: If you haven't participated in our past MOOC study groups, we highly recommend you complete Courses 1-3 of the [Data Science Specialisation](#) from John Hopkins University (via Coursera) prior to commencing Course 4.



Please have a look at the course details via the link above, and if you would like to join the MOOC study group, send your full name and preferred e-mail address to cpd@actuaries.asn.au to enrol. *Enrolments must be received by COB Friday, 16 June 2017.*

¹ There is an optional \$64USD per month subscription if you would like your assignments to be graded and to receive a sharable Course Certificate upon completion.

² To be judged by the DAWG.

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