

Surrey Analytics Summer School



Introduction to Data Analytics and Business Analytics

When? 19– 21 June 2017, from 9am to 6pm, Monday to Wednesday

Where? The Rik Medlik Building, University of Surrey



The Business Transformation and Sustainable Enterprise department is hosting a 3 day course this June to provide comprehensive introduction to Data Analytics and Business Analytics.

Who should attend?

Anyone interested in Analytics.

What topics will be covered?

- Databases – Structured Query Language
- Big Data – Unstructured Data
- Machine Learning, Statistical Learning
- Artificial Intelligence, Computational Intelligence
- Linear & Integer Programming
- Network Models – Transportation, Min. Cost Flow
- Decision Sciences – Decision Trees, Game Theory
- Simulation – DES, Queueing & Inventory Systems



Learning outcomes

Through attendance at the course you will:

- Demonstrate an ability to extract and analyse data for prediction and decision making
- Solve optimisation problems for economics and the supply chain
- Understand how to implement data driven decisions and tools for business opportunities

Participants will be able to use:

- R for Machine Learning
- Arena or Simul8 for Discrete Event Simulations
- Excel for Economical Optimisations
- SQL Server for Data Aggregation Queries

Rates

The following rates are for the entire course (places are limited).

- Academics/students: £299
- Commercial: £399 (if booked before 1 May)
 - group of five discount: £1,599
- Commercial: £599 (from 1 May onwards)
 - group of five discount: £2,399
- University of Surrey students: £199

How do I book?

To book a place, please go to <http://surrey-analytics-school.weebly.com/rates.html> or contact w.garn@surrey.ac.uk for further information.

The course is hosted by the University of Surrey's Business Transformation Department:
www.surrey.ac.uk/business-school/connected/business-transformation

Taught by leading academics and professionals with international reputations including:
Dr Wolfgang Garn (course director), Dr Vikas Grover, Dr Masoud Fakhimi

Accommodation: The University of Surrey will not provide accommodation.
If you would like to book accommodation on campus visit the following website:
www.surrey.ac.uk/accommodation/visitors. For availability please contact accommodation services on +44 (0)1483 68 2466

