

# School of Mathematical Sciences

## DT8998 CPD Diploma Data Analysis for Professionals (part time)

### Description

CPD Diploma in Data Analysis for Professionals is a one-year part-time programme, delivered in the evenings so that study can be balanced with work and personal life. The programme provides the statistical and mathematical knowledge required to extract critical information from business and industry data sets. It is a blend of theory and practice with a strong emphasis on the use of modern software packages, such as R, and includes an industry-linked business case study project.

Thus, the programme delivers the technical skills required to work in data analysis.

### Who is it for?

The core skills associated with the principles of statistical data analysis are highly sought after by employers. The programme is aimed at professionals across a wide range of sectors, such as, business, accounting and finance, science or engineering who are seeking to develop these skills using modern software tools and techniques.

### Careers

Graduates of this programme are highly practical and grounded in the specific needs of organisations with respect to data analysis and problem formulation and solution. The programme produces innovative and creative graduates who are independent and adaptive thinkers in the face of complex and dynamic problems. Graduates from this programme will be industry ready and familiar with the techniques, modern software and approaches that are used in practice.

*more details overleaf...*

#### **For more information**

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## Features & content

- delivered in the evenings in central Dublin
- study with other part-time learners
- entry September each year
- upskill and develop the skills required to advance a career more quickly in the modern workplace
- employment opportunities across different sectors
- support from friendly, approachable and experienced lecturers
- topics include: probability; statistical inference; regression models; criterion based decision making; quantitative forecasting; use of R software
- practical experience of modern software
- learn new skills and gain experience in data analysis via a variety of learning methods including modelling, problem solving and group work
- industry-linked business case study
- graduates receive a Continuous Professional Development Diploma in Data Analysis for Professionals (level 8 on the national framework of qualifications; 45 ECTS credits)

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## Entry Requirements

- a qualification of NFQ level 7 in science, engineering or computing backgrounds
- a qualification of NFQ level 8 in business, accounting and finance backgrounds.

*Recognition of prior learning will be used to assess the equivalence of other qualifications & experience*

## Other part-time study opportunities

- higher certificate programme (DT6248)
- ordinary degree programme (DT7248)
- honours degree programme (DT8248)
- MSc Applied Mathematics (September: DT9210 / January: DT9212)
- MSc Mathematical Physics (DT9206)
- part-time degrees by research (MPhil & PhD)
- Postgraduate Certificate in Applied Statistics (DT9002)

**There is a programme to suit every entry point!**

*Individual modules can be studied as standalone CPD courses (please contact us).*