



Data Science and Analytics

DATA8001

Times: Lectures: Wednesday 2pm-3pm in D242 and Thursday 9am-10am in B243

Lab: Various times – 3 options

CRN: 24010

This module is an introduction to exciting and new area of Data Science and Analytics.

Some of the topics and areas of interest that will be explored are:-

- how to clean, transform and deal with missing data
- perform EDA (Exploratory Data Analysis)
- data in society – Impact of AI and data protection, privacy and ethics
- mathematical and the computer science algorithms that help us build models so that patterns and insights can be found in the data
- build a number of data analytic models in the labs using R open source software and use these to solve interesting data problems

No prior modules are necessary but a good knowledge of mathematics and computer science is required, and an interest in problem solving would be great.

For further information, please contact Mr Aengus Daly: aengus.daly@cit.ie