Data Science and Analytics

DATA8001

Times: Lectures: Tuesday 12am-1pm in C212 and Friday 11am-12pm in B243

Lab: Wednesday 3pm-5pm IT1.1

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 'mine' data

- data in society - NSA, Edward Snowdon and data protection/privacy

- 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 analytics models in the labs using open source software and use these to solve interesting data problems

- big data and related technologies

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