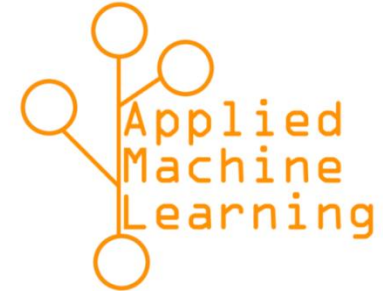




Institiúid Teicneolaíochta Chorcaí Cork Institute of Technology



Robin Deegan @ robin.deegan@cit.ie

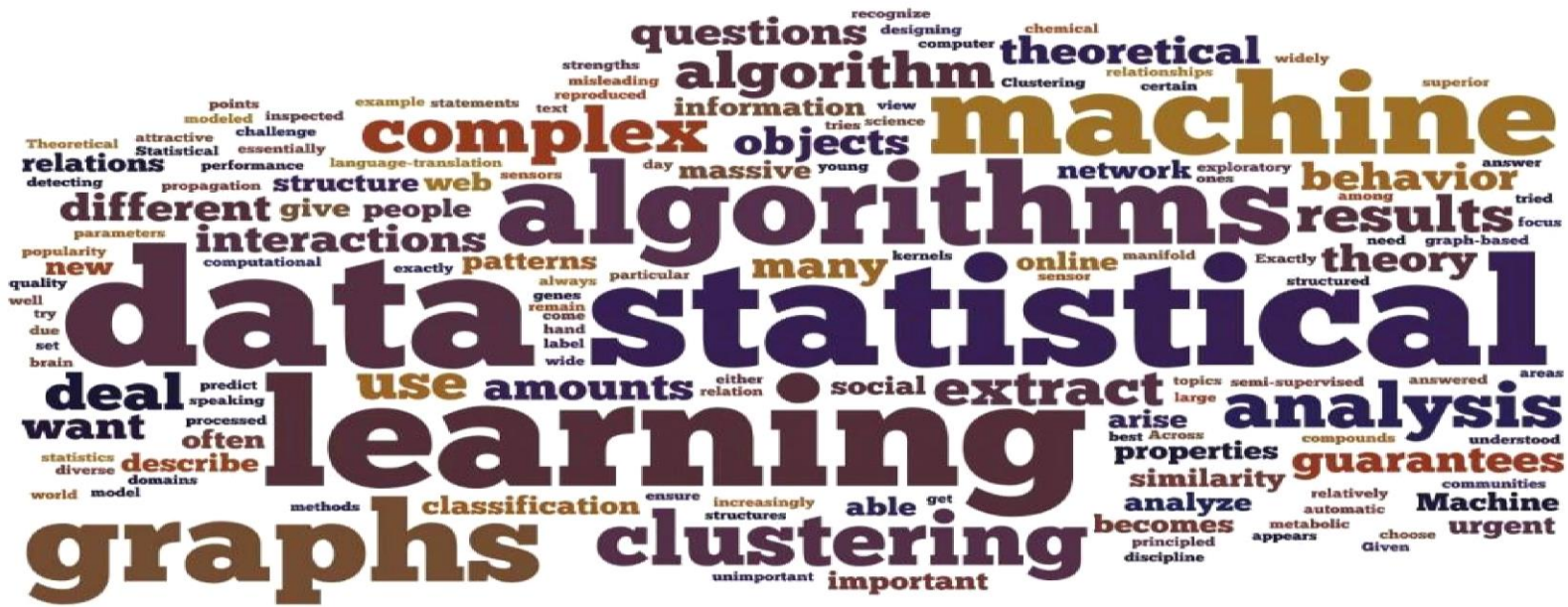
Cork Institute of Technology is comprised of two constituent Faculties and three constituent Colleges.

The constituent Faculties are **Engineering and Science**; and **Business and Humanities**. The constituent Colleges are the **CIT Crawford College of Art and Design**, the **CIT Cork School of Music** and the **National Maritime College of Ireland**.

CIT presently has four separate campuses. The main campus is located in Bishopstown and covers an area of approximately 80 acres.

CIT currently has in the region of **12,000 registered students** and **1,425 staff members** of which **824 are academic staff**.





Our vision is to apply machine learning to real world problems. To do this we focus heavily on **partnerships** and **collaboration** with **SME's** and enterprise organisations as well as academic partnerships.

Our researchers are focused on emerging ICT area's specifically in the advanced user interface space incorporating machine learning for automatic website / content design as well as looking at elements of emotional and cognitive interaction.

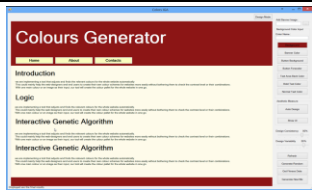


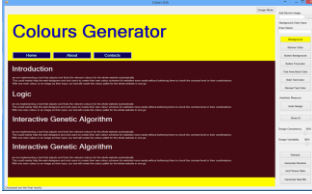

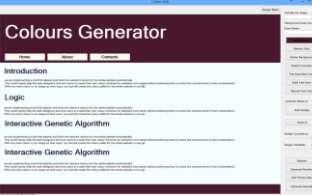
Our group also focuses on applying machine learning and big data techniques to real world problems such as gene sequencing, cancer care systems, emotional design, RNA profiling, wind farm optimisation + maintenance, and breast cancer diagnosis.

Machine Learning for the Automatic Design of Digital Assets

Aim is to introduce an automatic tool that generate website designs and the design of **other digital assets**.

- In colour combinations to make the text easy to read
- In colour combination to make the text easy to study
- Make colour combination pleasing to look at
- Make colour combination stimulating to the eye
- Make colour combination to be professional looking

Color comparison with live websites →

No.	Live Website	Generated Colours Template	No. of runs
1			2
2			5
3			4
4			6