

<b>Module Title:</b>	Data Governance and Ethics (H9DGE)
<b>Programme:</b>	MSc/PGD in Data Analytics
<b>Assignment Type:</b>	Open book, Individual project
<b>Deadline submission:</b>	20/12/2020 @11pm (Week 12)
<b>Weighting:</b>	This project is worth 20% of the total marks for this module

## PROJECT BRIEF

The project will assess learners' insights and evaluation of ethical issues that are related to their own research work. It will be undertaken individually.

You are required to evaluate ethical issues that are related to your own research work (i.e. the research proposal you created as partial fulfilment of the Research In Computing module).

Therefore, as a prerequisite for the Data Governance & Ethics module, you should have completed the Research in Computing module and have a research proposal (for the final research project). Additionally, you are required to find ethical issues surrounding the relevant datasets and a proposed approach for conducting the research which you would have been exposed when you were following the above mentioned module. If you have not completed this, you should consider a suitable alternative and agree it with the lecturer.

### **Report requirements:**

- The report must use the [IEEE Conference template](#) and have a maximum length of 1000 words including all figures, tables and references.
- The final report must be submitted as a Word or PDF document to Moodle before the deadline.

**The marking schema and a suggested structure** for the report is below:

- **Abstract [15 marks]:** a high-level description of the project.
- **Introduction [25 marks]:** This should be a succinct executive summary. It should include the motivation for the work, present and discuss its objective(s). It should describe strategies for Ethical Conduct in Research: two of the most important strategies regarding ethical conduct in research are (i) maintaining confidentiality and (ii) informed consent.
- **Evaluation [50 marks]:** you need to evaluate all ethical issues which can occur before, during, and after your research. Describe Ethics Principles and Issues into your Research Project and the ways to address them at the following stages:
  1. Before you Start
  2. During your Research
  3. After you have Completed your Research

**Add strategies regarding Ethical Conduct for each Ethical Issue.**

- **References [10 marks]:** Include a list of references used in your report. Note that websites are not suitable for inclusion in references, they should be referred to in footnotes. Please refer to the How to Reference section of the NCI Library for further details (<https://libguides.ncirl.ie/referencingandavoidingplagiarism>). All referenced works should be locatable in Scopus. Do not use papers from any of the sources noted in this list: <https://beallslist.weebly.com>; these papers may be plagiarised, low in quality, not subject to rigorous (or any appropriate) peer review, and should generally be held as dubious and untrustworthy. Note that typically, if a paper is in Scopus, it is unlikely to be in this list.

## **References**

Katherine O'Keefe, Daragh O'Brien. (2018), Ethical Data and Information Management, Kogan Page, p.344, [ISBN: 0749482044].

Anno Bunnik, Anthony Cawley, Michael Mulqueen, Andrej Zwitter. (2016), Big Data Challenges, Palgrave, p.140, [ISBN: 1349948845].

Herman T. Tavani. (2012), Ethics and Technology, Wiley, p.456, [ISBN: 1118281721].

Terrell Ward Bynum, Simon Rogerson. (2003), Computer Ethics and Professional Responsibility, Wiley-Blackwell, p.378, [ISBN: 1855548453].

### Marking scheme for the project

	<b>Abstract 15%</b>	<b>Introduction 25%</b>	<b>Evaluation 50%</b>	<b>Reading and referencing 10%</b>
80-100%	As for 70-79%, plus demonstrates exceptional comprehension of topic	Clear structure which enriches the discussion and argument	As for 70-79%, plus sophisticated analysis using ideas and principles beyond those introduced in the module	Project fully supported by reference to relevant up to date material. Accurate use of Harvard referencing technique.
70-79%	Shows thorough knowledge and understanding of the topic, with evidence of reading beyond the key texts	Clear structure which enhances the discussion and argument	Project shows a resourceful and imaginative analysis using ideas and principles beyond those introduced in the module	Clear evidence of wide and relevant reading. Accurate use of Harvard referencing technique
60-69%	Shows evidence of relevant and sound knowledge and understanding of the topic	Structure is clear and supports coherent discussion and argument	Shows evidence of analysis using ideas and principles introduced in the module	Project well informed by reading which goes beyond key texts. Accurate use of Harvard referencing technique
50-59%	Shows relevant knowledge of the topic	Structure supports the discussion and argument	The Project is largely descriptive with some discussion using ideas and principles introduced in the module	Effective use of key reading. Accurate use of Harvard referencing system
40-49%	Shows basic knowledge of the topic	Evidence of structure relevant to the title	The Project is limited to description and includes frequent unsupported facts and opinions	Appropriate use made of a limited range of reading. Largely accurate use of Harvard system
0-39% (fail)	Shows inadequate knowledge of the topic to meet learning outcomes	Little evidence of planning the Project	Descriptive and not critical. Some discussion irrelevant to the title	Poor use of reading. Poor or incorrect using of Harvard system