**TU Dublin City Campus**

**TU059/TU060/TU256**

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**Week 3 Practical MATH9102**

**Inspecting and Preparing Data and Correlation**

**Preliminaries**

Download the data and R code we used in the lecture.

**Step 1:**

Launch R Studio and review the Quarto files provided for this lecture.

Review the commands.

**Step 2:**

Working with the experim.dat dataset. Inspect the data for missing data considering the following variables

* Fear of Statistics Time 1
  + fost1
* Fear of Statistics Time 2
  + fost2
* Confidence in Coping with Statistics Time 1
  + confid1
* Depression Time 2
  + depress2

Draw and report a conclusion about missing data.

**Step 3:**

* State hypotheses pairs for each of the following:
  + The relationship between Confidence with Statistics Time 1 and Fear of Statistics Time 1
    - Variables: confid1, fost1
  + The relationship between Depression Time 2 and Fear of Statistics Time 2
    - Variables: depress2, fost2

**Step 4:**

* Conduct and report on the appropriate tests to investigate the hypotheses stated in Step 3.