

DATA ANALYTICS REFERENCE DOCUMENT	
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**REVISION HISTORY**

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## 52446 Fundamentals Assignment One Remit

**Fundamentals of Data Analysis: Assignment 2018**

Due: last commit on or before November 11th

This document contains the instructions for Assignment 2018 for Fundamentals of Data Analysis. Please be advised that all students are bound by the Quality Assurance Framework [4] at GMIT which includes the Code of Student Conduct and the Policy on Plagiarism. The onus is on the student to ensure they do not, even inadvertently, break the rules. A clean and comprehensive git history (see below) is the best way to demonstrate to the examiner that your submission is your own work. It is, however, expected that you draw on works that are not your own to build your submission and you should systematically reference those works to enhance your submission. Problem statement

The following assignment concerns the well-known **Anscombe's quartet dataset** [2]. You are required to create a Jupyter [5] notebook analysing the dataset. There are four distinct tasks to be carried out in your Jupyter notebook.

1. Explain the **background** to the dataset – who created it, when it was created, and any speculation you can find regarding how it might have been created.
2. **Plot** the interesting aspects of the dataset.
3. Calculate the **descriptive statistics** of the variables in the dataset.
4. **Explain why the dataset is interesting**, referring to the plots and statistics above.

## Useful Links

Frank Anscombe's 1973 paper: Graphs in Statistical Analysis

<http://www.sjsu.edu/faculty/gerstman/StatPrimer/anscombe1973.pdf>

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