**Higher Education Outcome Modelling**

The goal is to understand associations between outcomes for higher education institutions, and characteristics of the institutions, in particular expenditure and how the expenditure is split.

We will be using the data set here: <https://www.deltacostproject.org/delta-cost-data>. Which has data for every higher education institute in the USA with over 400 covariates. We propose to restrict to 4 year universities, and restrict our outcomes to bachelor degrees.

We intend to initially apply MLE methods in class to understand important covariates and potentially hope to employ more flexible modelling techniques to utilize the large array of covariates.