**Higher Education Outcome Modeling**

Our goal is to understand the associations between outcomes for higher education institutions, and characteristics of the institutions, in particular their expenditures and how the expenditures are split.

We will be using the data set here: <https://www.deltacostproject.org/delta-cost-data>. It has data for every post-secondary institution in the USA with over 400 covariates. We propose to restrict to our sample to 4-year public universities, and restrict our outcomes to bachelor degrees awarded and graduation rates.

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.