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Version 1

UK REF 2014 Analysis Data and R Script V.1

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Protocol status: Working

We use this protocol and it's working

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Keywords: stata 12 file, analysis data, rdata format, raw data, excel file, data objects in rdata format, data in excel, file balbuena-ref-syntax, excel, data for the paper, uk research excellence framework, csv format, data, stata, universities in the training set, analysis

Abstract

This collection of files contains the raw data and R script for the paper entitled 'The UK Research Excellence Framework and the Matthew Effect: Insights from machine learning.'

Data:

The file **balbuena_REF_2014.dta** is a Stata 12 file that contains the data for the paper. It is also saved in CSV format as **Balbuena_REF_2014.csv**

The file **balbuena_ref_syntax.R** contains the syntax used to run the analysis.

The file **balbuena_REF.RData** file contains the data objects in RData format. See the instructions below if you wish to replicate the analysis. To simply view the data in Excel without re-running the analysis, the universities in the training set ($n = 79$) and testing set ($n=30$) are provided in the excel file "REF_2014_schools.xls"

Attachments



[balbuena_REF_2014.csv..](#)

18KB



[balbuena_REF_2014.dt...](#)

26KB



[balbuena_REF.RData](#)

810KB



- 1 Open the syntax file in R / RStudio.

 balbuena_ref_syntax.r

- 2 Load the RData file using the command Session | Load Workspace. If you wish to import the Stata or Excel files (#1), use the Part I section of the syntax file. Otherwise, go straight to Part II.

 balbuena_ref.rdata

 balbuena_ref_2014.dta

 balbuena_ref_2014.csv

- 3 Run the commands line by line or only the parts you wish to replicate.
- 4 If you wish to replicate the BART analysis only, go straight to Part III after having loaded the data.