

UK REF 2014 Analysis Data and R Script Version 2

Lloyd Balbuena¹

¹University of Saskatchewan dx.doi.org/10.17504/protocols.io.t3eeqje



Lloyd Balbuena 🕢 🔀



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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"

```
balbuena_REF_2014.cs balbuena_REF_2014.dt balbuena_REF.RData
```

PROTOCOL STATUS

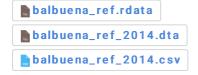
Working

This protocol was used for producing the results of the paper: The UK Research Excellence Framework and the Matthew Effect: Insights from machine learning.

Open the syntax file in R / Rstudio

balbuena_ref_syntax_v2.r

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.



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

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