



**Learn to Use the Multilevel Model  
Test in SPSS With Data From the  
Longitudinal Educational  
Outcomes Dataset (2017–18)**

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# Learn to Use the Multilevel Model Test in SPSS With Data From the Longitudinal Educational Outcomes Dataset (2017–18)

## About This Dataset

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### Data source citation

Department for Education (2017). SFR18/2017. GOV.UK <https://www.gov.uk/government/statistics/graduate-outcomes-for-all-subjects-by-university>

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### Full title of originating dataset

Longitudinal Educational Outcomes (LEO) Data

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### Data author(s) and affiliations

Department for Education

Department for Work and Pensions

Her Majesty's Revenue and Customs

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### Dataset source website address

<https://www.gov.uk/government/statistics/graduate-outcomes-for-all-subjects-by-university>

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### First publication date

13 June 2017

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## Data Universe

United Kingdom

Information regarding average earnings of individuals based on gender and years after graduation from higher education providers within the United Kingdom

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## Funding sources/suppliers

Department for Education

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## Sample/sampling procedures

Purposive Sampling

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## Time frame of analysis

2008–2013

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## Unit of analysis

Groupings of graduates from higher education providers

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## Location covered by data

United Kingdom

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## Other sources

- Field, A. (2014). *Discovering statistics using IBM SPSS statistics*. London, UK: SAGE.
  - Fidell, B.G., Tabachnick, L. S. (2007). *Using multivariate statistics* (5th ed.) Boston, MA: Pearson.
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## List of variables

Gender

Gender of the graduates

### **Years After Graduation**

Number of years after graduating in groups of 1 year, 3 years, or 5 years

### **Proportion of entering students from POLAR3 Quintile 1**

Percentage of students entering university from most disadvantaged backgrounds according to POLAR3 measure.

### **Median Annual Earnings**

Median Annual earnings for groupings of students from each university.

### **Group Mean Centred Variable for Proportion of entering students from POLAR3 Quintile 1**

Group Mean Centred variable for Multilevel Model test for Percentage of students entering university from most disadvantaged backgrounds according to POLAR3 measure