

Preliminary Results of the BIPE Project - Gender II

BIPE Project

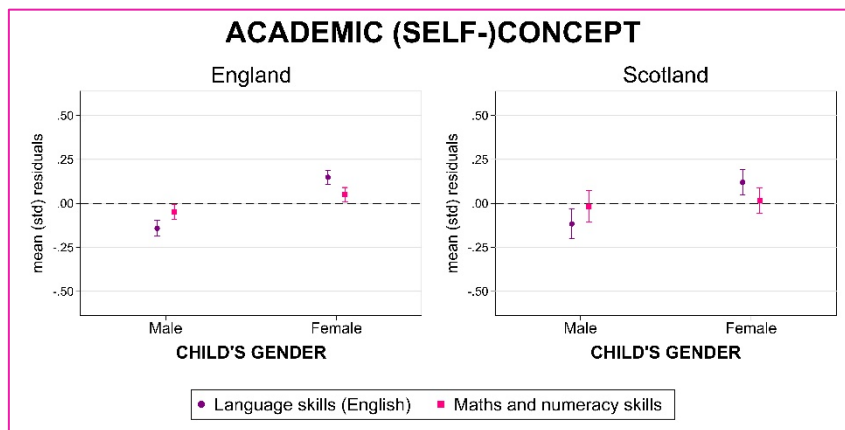
Social and ethnic biases in primary education

The preliminary results presented below investigate the *discrepancy* between students' rating of their own academic ability (i.e., academic self-concept)¹ and teachers' rating of student's academic abilities².

Are teachers' and students' perceptions of students' academic abilities in agreement?

Such disagreements in perceptions are measured through the idea of INACCURATE PERCEPTION, defined as the teacher *over- or under-estimating* a student's academic ability, in comparison to the student's own rating of it.³

A systematic pattern of (in)accurate teacher perceptions is here shown as the average over- or under-estimation of the academic abilities of boys and girls.



Preliminary results suggest that, on average, teachers tend to ...

- in England, under-estimate the academic abilities (compared to students' own rating of their abilities) of boys, albeit more so in English than in mathematics.
- in England, over-estimate the academic abilities (compared to students' own rating of their abilities) of girls, albeit more so in English than in mathematics.
- in Scotland, under-estimate the academic abilities (compared to students' own rating of their abilities) in English of boys.
- in Scotland, over-estimate the academic abilities (compared to students' own rating of their abilities) in English of girls.

¹ Students' academic self-concept is captured by two questions asking children to rate their own abilities on a scale from *Strongly agree* to *Strongly disagree*: a) I am good at English, b) I am good at Maths.

² In England, teachers' ratings of students' language skills abilities are captured by the question "*In so far as your professional experience will allow, please rate this child in relation to all children of this age (i.e., not just their present class or, even, school): a) English, b) Maths*". In Scotland, teachers were asked to assess the Curriculum for Excellence level (Early, First, Second, Third) and the stage (Developing, Consolidating, Securing) at which the child was working in the following areas: listening and talking, reading, and writing; the two sources of information were combined by the authors to construct the final teacher rating.

³ To be precise, teachers' ratings of students' ability are regressed over students' own rating of them. Thus, a discrepancy between the two ratings is captured by the residuals of the regression. Positive (negative) residuals signal that a teacher's rating is higher (lower) than expected, given the student own rating.

Get in touch

If you would like to know more about the BIPE Project, please get in touch.

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DATA

The BIPE Project uses the *Millennium Cohort Study* and the *Growing Up in Scotland* study, two large-scale surveys that followed, respectively, 19,000 children born between 2000 and 2001 in the UK and 5,200 children born between 2004 and 2005 in Scotland.

The **PRELIMINARY** results presented here refer to around 6,000 children aged 11 years old residing in England in 2012, and 2,000 children aged 10 years old residing in Scotland in 2014/2015.

Millennium Cohort Study:

- University of London, Institute of Education, Centre for Longitudinal Studies. (2022). *Millennium Cohort Study: Sweeps 1-7, 2001-2018: Longitudinal Family File*. [data collection]. 4th Edition. UK Data Service. SN: 8172, [DOI: 10.5255/UKDA-SN-8172-4](https://doi.org/10.5255/UKDA-SN-8172-4)
- University of London, Institute of Education, Centre for Longitudinal Studies. (2022). *Millennium Cohort Study: Age 9 months, Sweep 1, 2001*. [data collection]. 14th Edition. UK Data Service. SN: 4683, [DOI: 10.5255/UKDA-SN-4683-6](https://doi.org/10.5255/UKDA-SN-4683-6)
- University of London, Institute of Education, Centre for Longitudinal Studies. (2023). *Millennium Cohort Study: Age 3, Sweep 2, 2004*. [data collection]. 11th Edition. UK Data Service. SN: 5350, [DOI: http://doi.org/10.5255/UKDA-SN-5350-6](http://doi.org/10.5255/UKDA-SN-5350-6)
- University of London, Institute of Education, Centre for Longitudinal Studies. (2022). *Millennium Cohort Study: Age 5, Sweep 3, 2006*. [data collection]. 9th Edition. UK Data Service. SN: 5795, [DOI: 10.5255/UKDA-SN-5795-6](https://doi.org/10.5255/UKDA-SN-5795-6)
- University of London, Institute of Education, Centre for Longitudinal Studies. (2022). *Millennium Cohort Study: Age 7, Sweep 4, 2008*. [data collection]. 9th Edition. UK Data Service. SN: 6411, [DOI: 10.5255/UKDA-SN-6411-9](https://doi.org/10.5255/UKDA-SN-6411-9)
- University of London, Institute of Education, Centre for Longitudinal Studies. (2022). *Millennium Cohort Study: Age 11, Sweep 5, 2012*. [data collection]. 6th Edition. UK Data Service. SN: 7464, [DOI: 10.5255/UKDA-SN-7464-6](https://doi.org/10.5255/UKDA-SN-7464-6)

- University of London, Institute of Education, Centre for Longitudinal Studies. (2023). *Millennium Cohort Study: Age 14, Sweep 6, 2015*. [data collection]. 7th Edition. UK Data Service. SN: 8156, DOI: <http://doi.org/10.5255/UKDA-SN-8156-7>
- University of London, Institute of Education, Centre for Longitudinal Studies. (2022). *Millennium Cohort Study: Age 17, Sweep 7, 2018*. [data collection]. 2nd Edition. UK Data Service. SN: 8682, DOI: [10.5255/UKDA-SN-8682-2](https://doi.org/10.5255/UKDA-SN-8682-2)

Growing Up in Scotland:

- ScotCen Social Research. (2022). *Growing Up in Scotland: Cohort 1, Sweeps 1-10, 2005-2020: Special Licence Access*. [data collection]. 19th Edition. UK Data Service. SN: 5760, DOI: [10.5255/UKDA-SN-5760-12](https://doi.org/10.5255/UKDA-SN-5760-12)
- ScotCen Social Research. (2022). *Growing Up in Scotland: Cohort 1, Primary 6 Teacher Survey, 2014-2015: Special Licence Access*. [data collection]. UK Data Service. SN: 8366, DOI: [10.5255/UKDA-SN-8366-1](https://doi.org/10.5255/UKDA-SN-8366-1)