

# Dataset Description

## PISA Data

The Programme for International Student Assessment (PISA) dataset contains the full set of responses from individual students, school principals and parents in 2015 for Germany. It contains some information about the student's characteristics (e.g. age, gender) as well as the parents (e.g. education, Social status) that have an influence on the possess student performance.

In the PISA study, so-called test scores are used in math and natural sciences and reading skills are determined to be approximately those of the OECD countries normally distributed with mean 500 and standard deviation 100 is meant to be.

### Series in Data Set:

- *st\_gender*: student gender (standardized).
- *st\_spg*: Use digital devices outside school for playing one-player games.
- *st\_mmog*: Use digital devices outside school for playing collaborative online games.
- *st\_age*: student age.
- *st\_immig*: Index Immigration status.
- *st\_belong*: Subjective well-being: Sense of Belonging to School (WLE).
- *st\_repeat*: Ever repeated a grade?
- *pa\_books*: How many books are there in your home?
- *pa\_educ*: Index highest parental education in years of schooling.
- *pa\_escs*: Index of economic, social and cultural status (WLE).
- *W\_FSTUWT*: FINAL TRIMMED NONRESPONSE ADJUSTED STUDENT WEIGHT.
- *math\_score*: Student Test Score in Mathematics.

- *scie\_score*: Student Test Score in Science.
- *read\_score*: Student Test Score in Reading.
- *good\_math*: Student proficient in Mathematics ( $i=600$  points).
- *good\_scie*: Student proficient in Science ( $i=600$  points).
- *good\_read*: Student proficient in Reading ( $i=600$  points).
- *bad\_math*: Student struggling with Mathematics ( $i=450$  points).
- *bad\_scie*: Student struggling with Science ( $i=450$  points).
- *bad\_read*: Student struggling with Reading ( $i=450$  points).