How to load and what to do with the PISA data (Program for International Student Assessment)
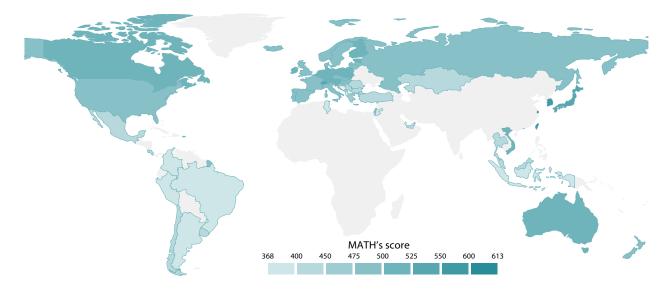
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OECD (Organisation for Economic Co-operation and Development) runs PISA (Program for International Student Assessment) and PIAAC (Programme for the International Assessment of Adult Competencies) programs to find data-driven relations between people skills and other factors like occupation, education, school or policy factors.

Each of these programs results in a large and complex datasets, which combine skills of students and adults from different countries together with other characteristics like education, occupation, wealth, school and more than 1000 other factors. All together we have survey results with over 1000 features for over 2 000 000 people from more than 60 countries. Quite large dataset!

During the presentation I will show how to use packages **PIAAC** and **PISA2012lite** to load this data set into *R*, discuss some technical issues and present some exemplary results and visualisations obtained with this dataset.

References

[1] Biecek, P. (2014). Occupations@pisa2012. http://beta.icm.edu.pl/PISAoccupations2012/.

[2] OECD (2014). Piaac and Pisa2012lite packages. https://github.com/pbiecek/PIAAC, https://github.com/pbiecek/PISA2012lite.