

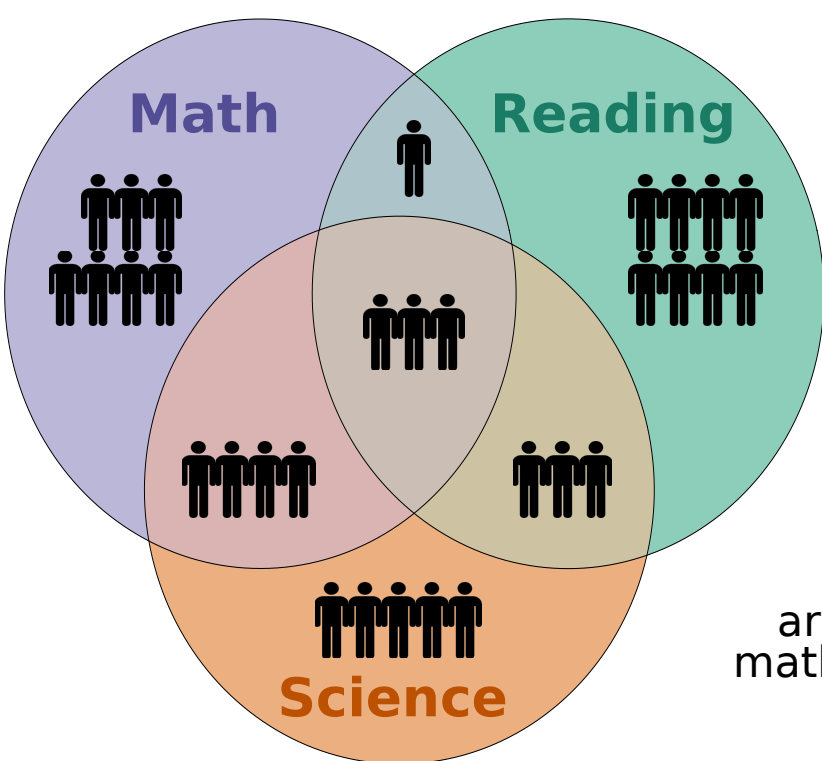
Geniuses

By geniuses we mean **1%** of PISA participants with the best score in the following tests - **mathematics**, **reading** and **science**.

The "1%" is a symbolic threshold representing the wisest people in the society. For example geniuses of math obtained 1% of the highest scores in mathematics and the remaining 99% of students had lower scores.

Who are they?

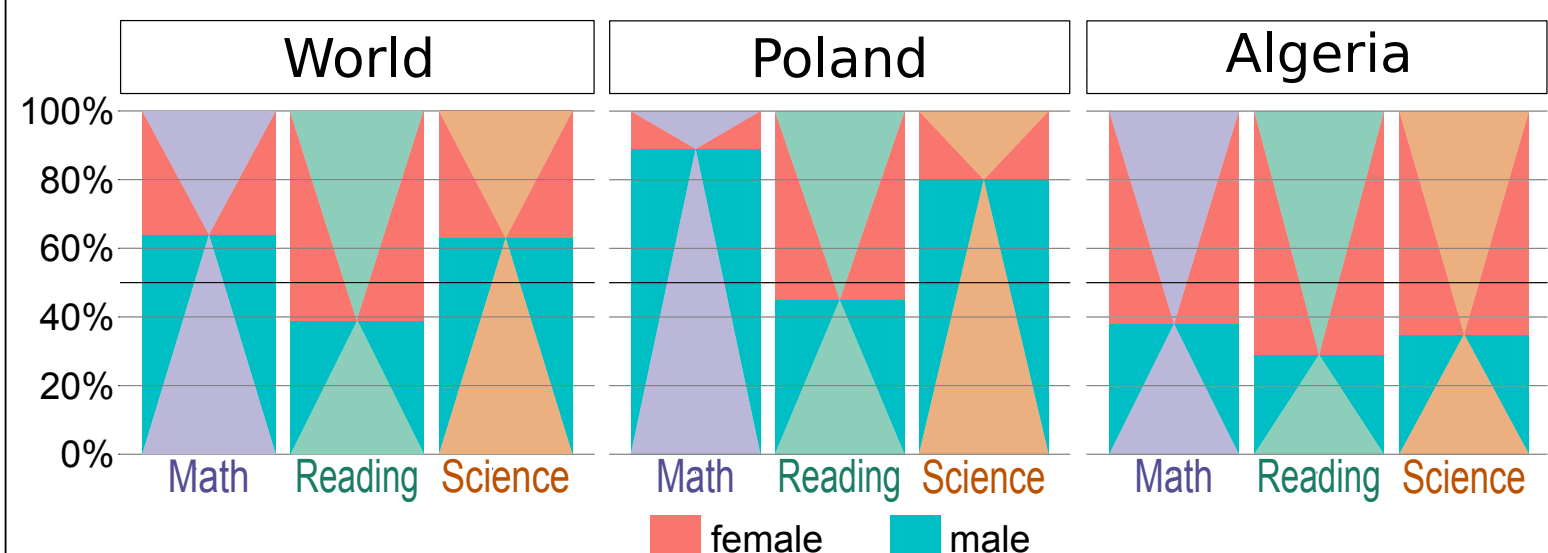
Parts of geniuses being also geniuses in other domains



As we can see, almost 10% of all geniuses excel in each domain at the same time.

The smallest group of people are those being outstanding only in math and reading, but not in science.

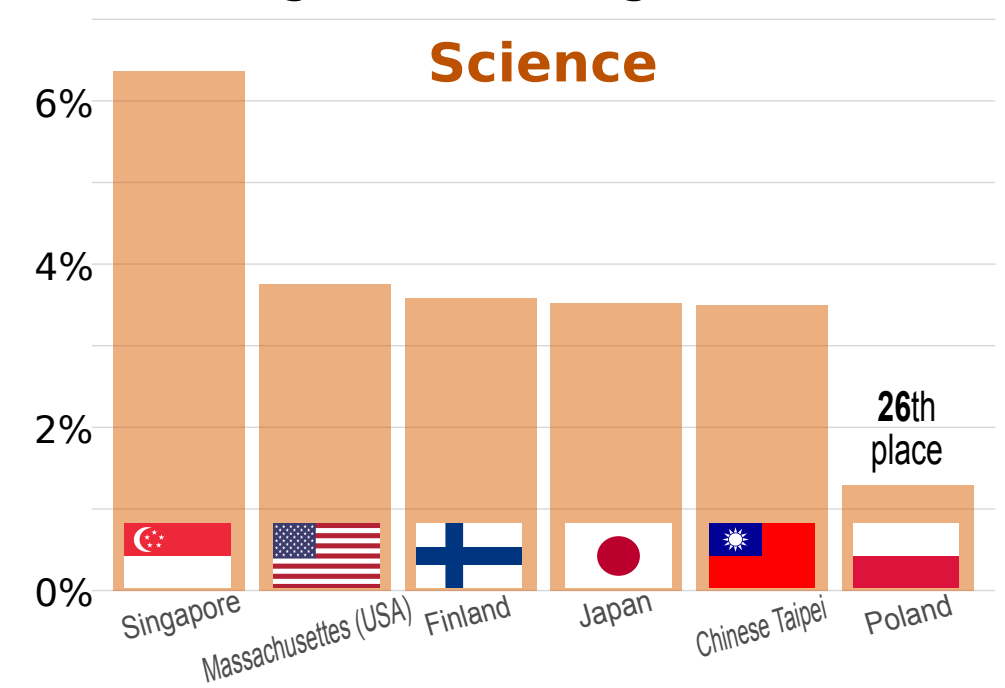
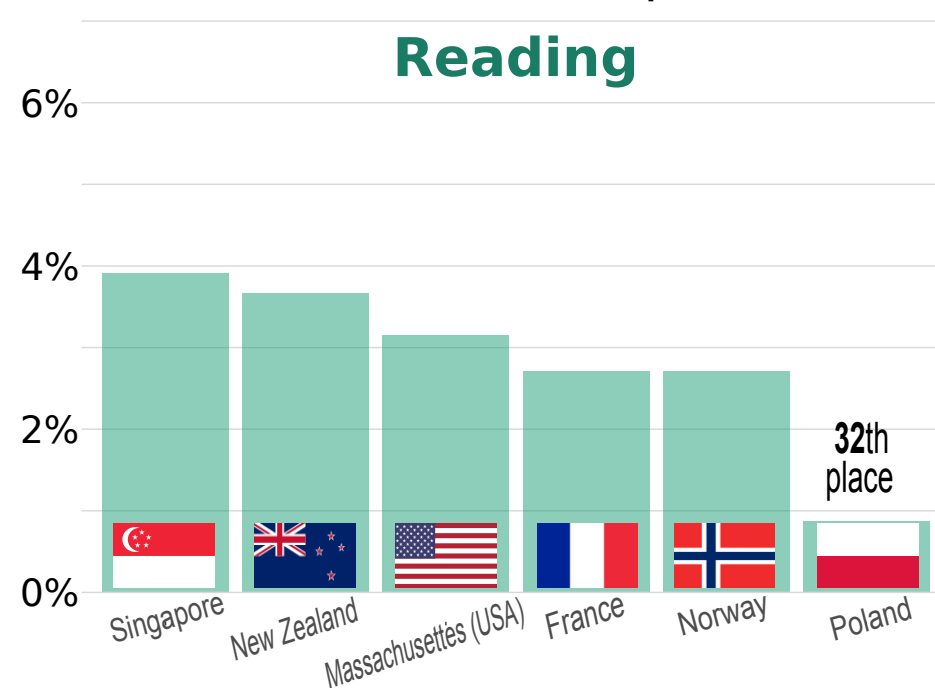
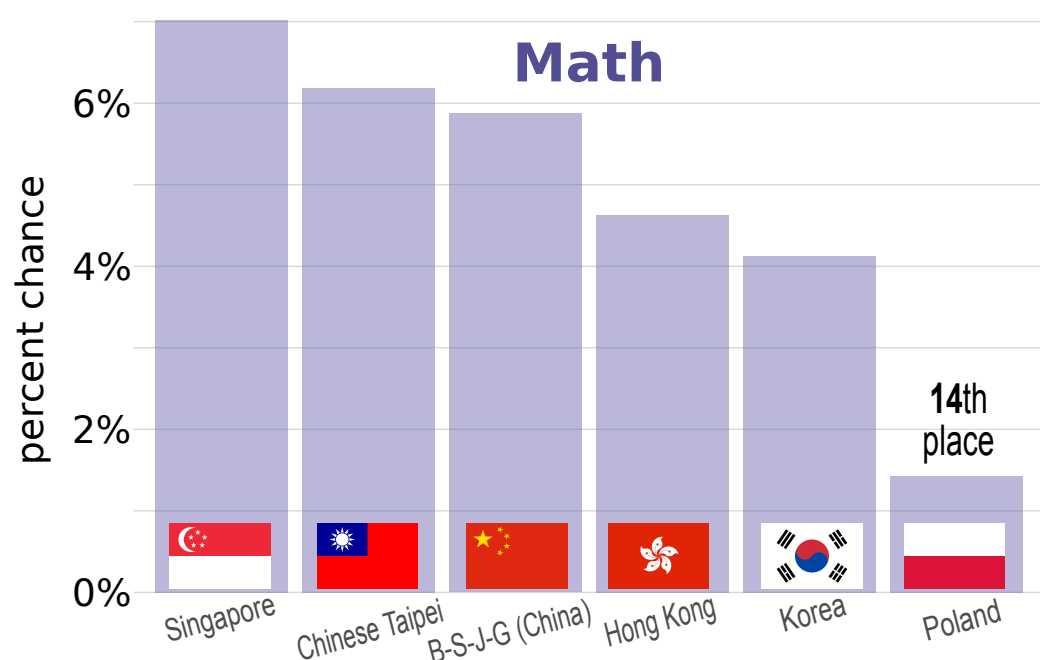
Sex proportions in a given field of 1% best students



Looking at the world as a whole, males are averagely better in math and science but worse in reading compared to females. Poland is even more dominated by male mathematicians. A notable exception is Algeria where all groups of geniuses are dominated by female students.

Where are they from?

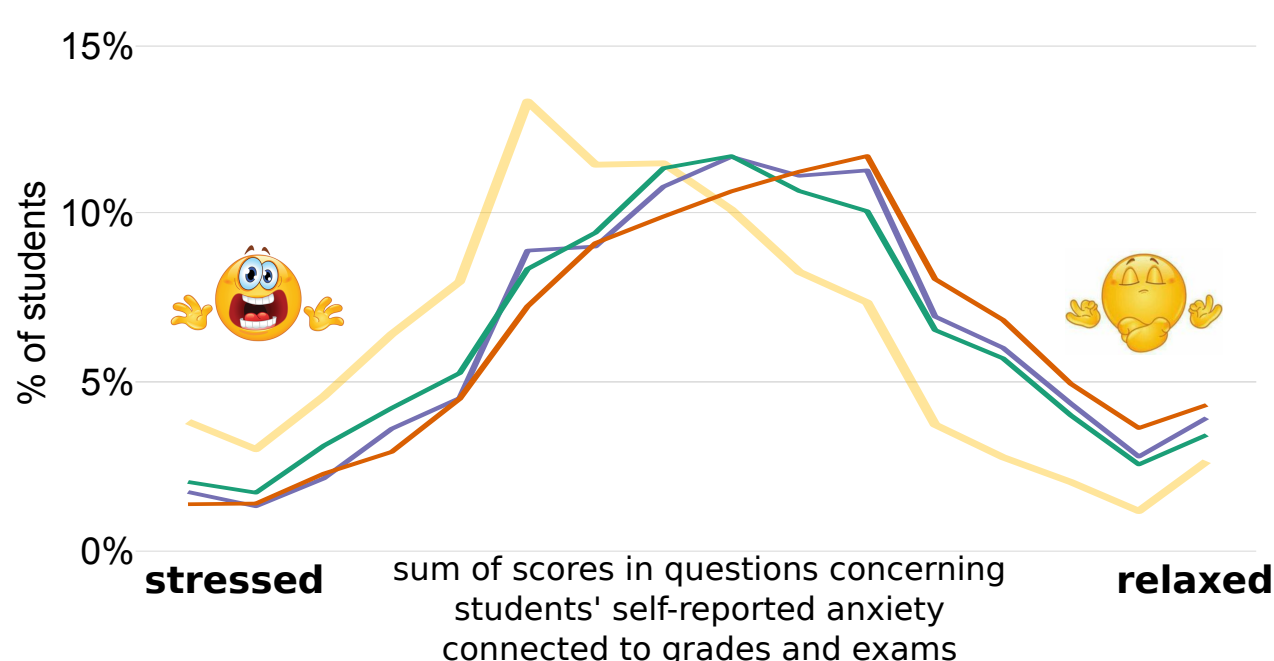
What are the chances of a random student (chosen from respective countries) being one of the geniuses?



As far as math is concerned, Asia beats other continents. Moreover, Poland is in 14th place (quite high) out of 73 countries. Other domains were not that dominated by Asia; there are such countries like: New Zealand, USA or France.

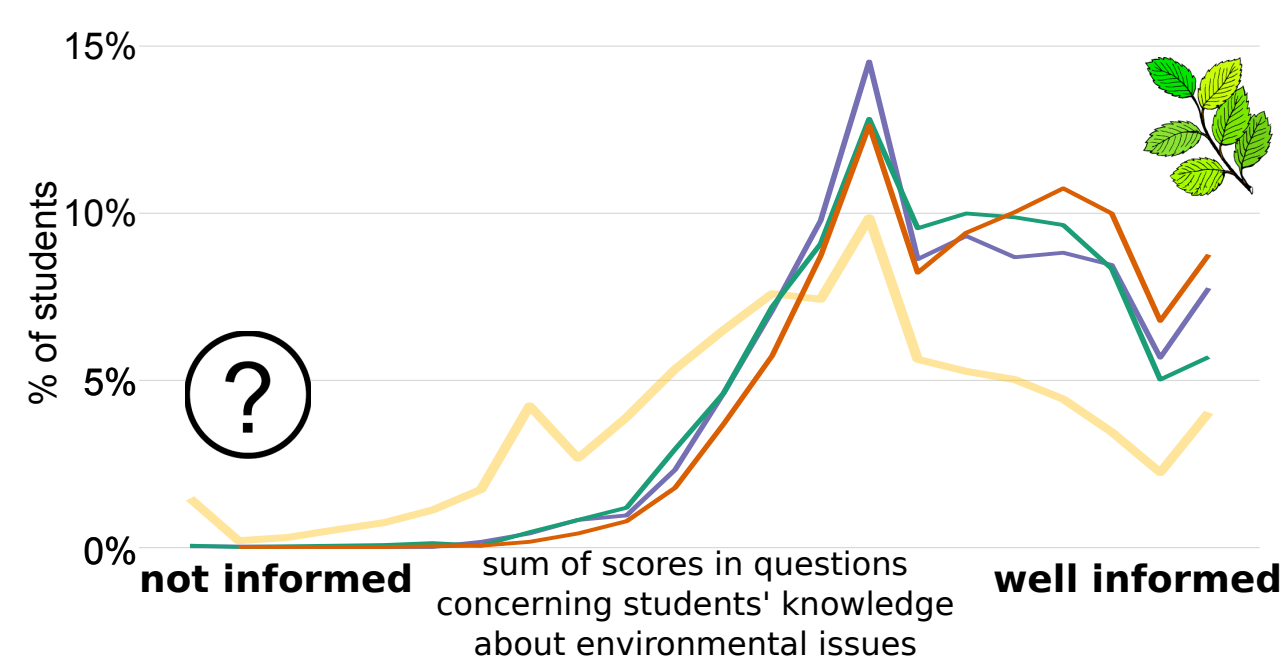
What distinguishes them from others?

School-related stress among students



Geniuses of all types are significantly less stressed. Lower level of anxiety could contribute to better performance.

Environmental awareness among students



Geniuses of all types are more concerned about environment. Geniuses in science have the largest knowledge of the subject.