To measure the effect of living in a certain country on the students’ performance, we implemented a linear mixed model aggregating the observations through countries. To beter focus on the aim of our analysis we also added a random effect associated with the variable immigration.

# results: ha effetto sia il country che immig (passo da PVRE del 2.5% a 4.4%), noto che nel modello finale con anche immig GBR ha effetto positivo rispetto alla media se sei un immigrato, mentre DNK effetto negativo

We performed two other mixed models in order to detect the differences across schools in Great Britain and Denmark.

To explore a posteriori the school clusters we applied a multinomial logistic model.