

# HOW DOES THE SCHOOL SYSTEM AFFECTS STUDENTS' WELL-BEING?

Analysis on the PISA dataset

# AIM OF OUR PROJECT

- We want to study students' well-being according to different aspects of their life, considering the final indices instead of the specific questions addressed to the students

## TECHNOLOGY



- ☐ Use of technology
- ☐ Interest in technology
- ☐ Competence in technology

## SCHOOL



- ☐ Teacher support
- ☐ Study time
- ☐ Technology availability

## FAMILY

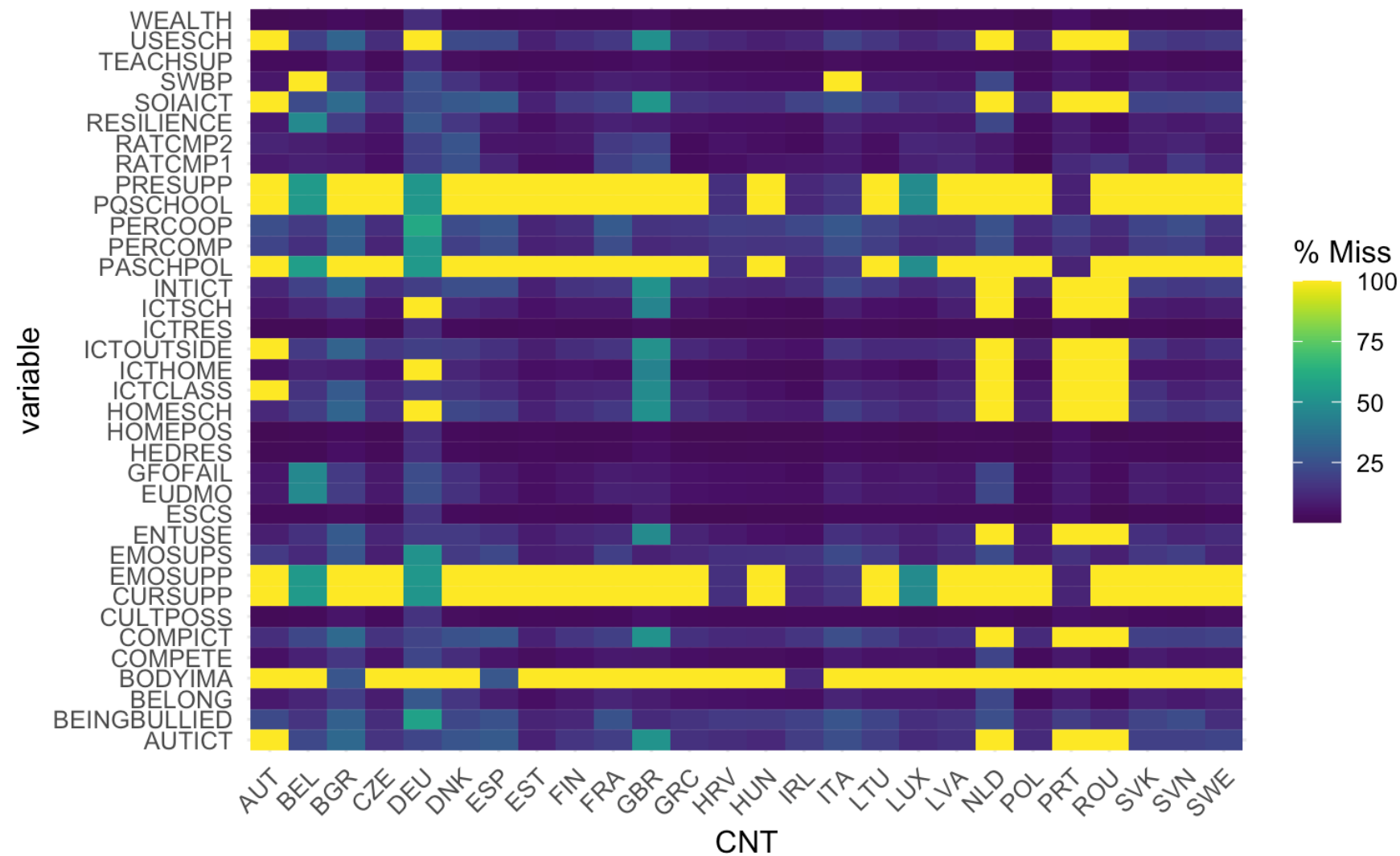


- ☐ Family support
- ☐ Economic status

# TARGET OF OUR ANALYSIS

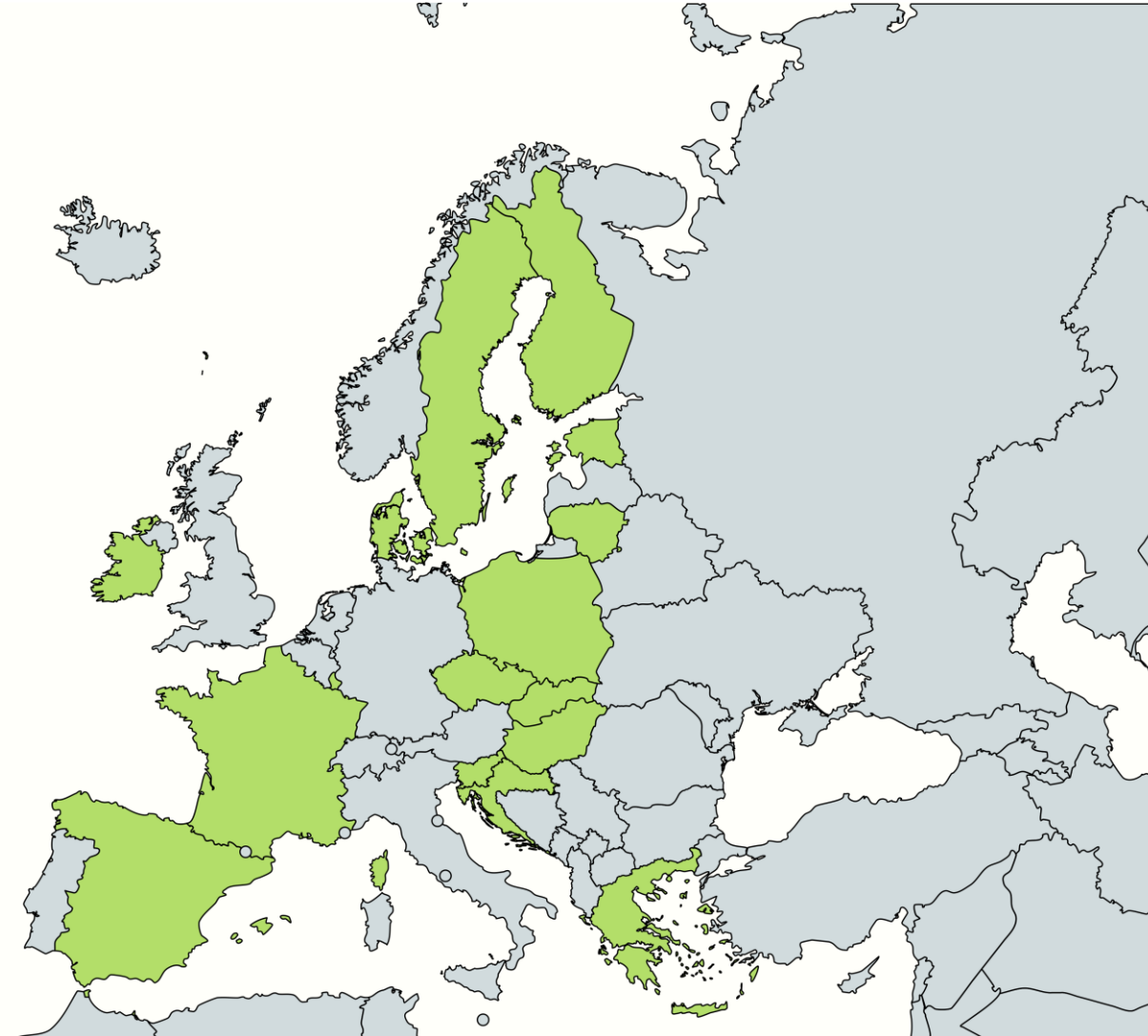


# SELECTED COUNTRIES

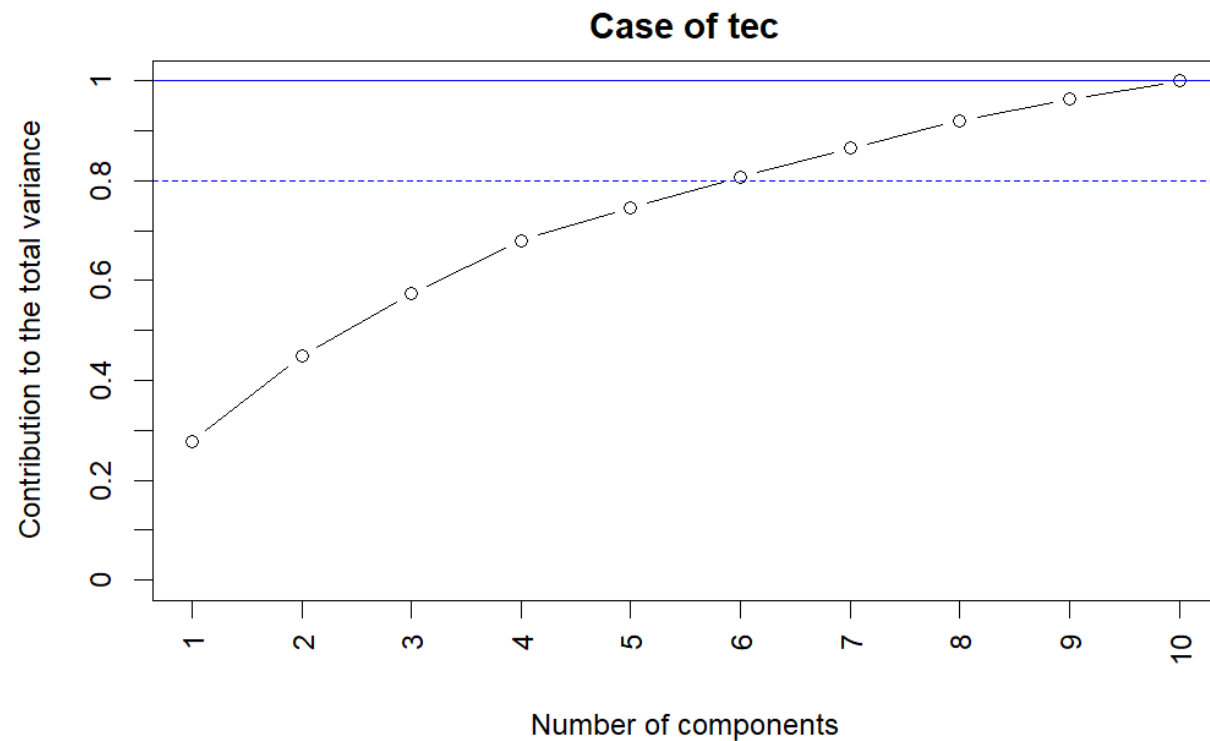
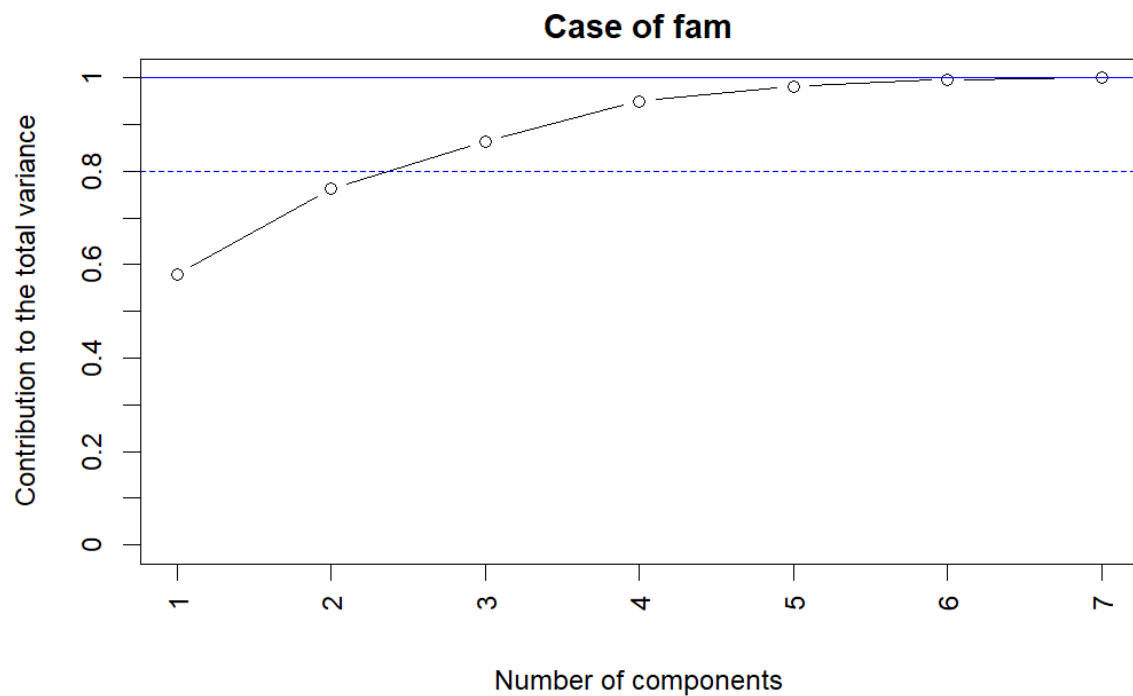


# SELECTED COUNTRIES

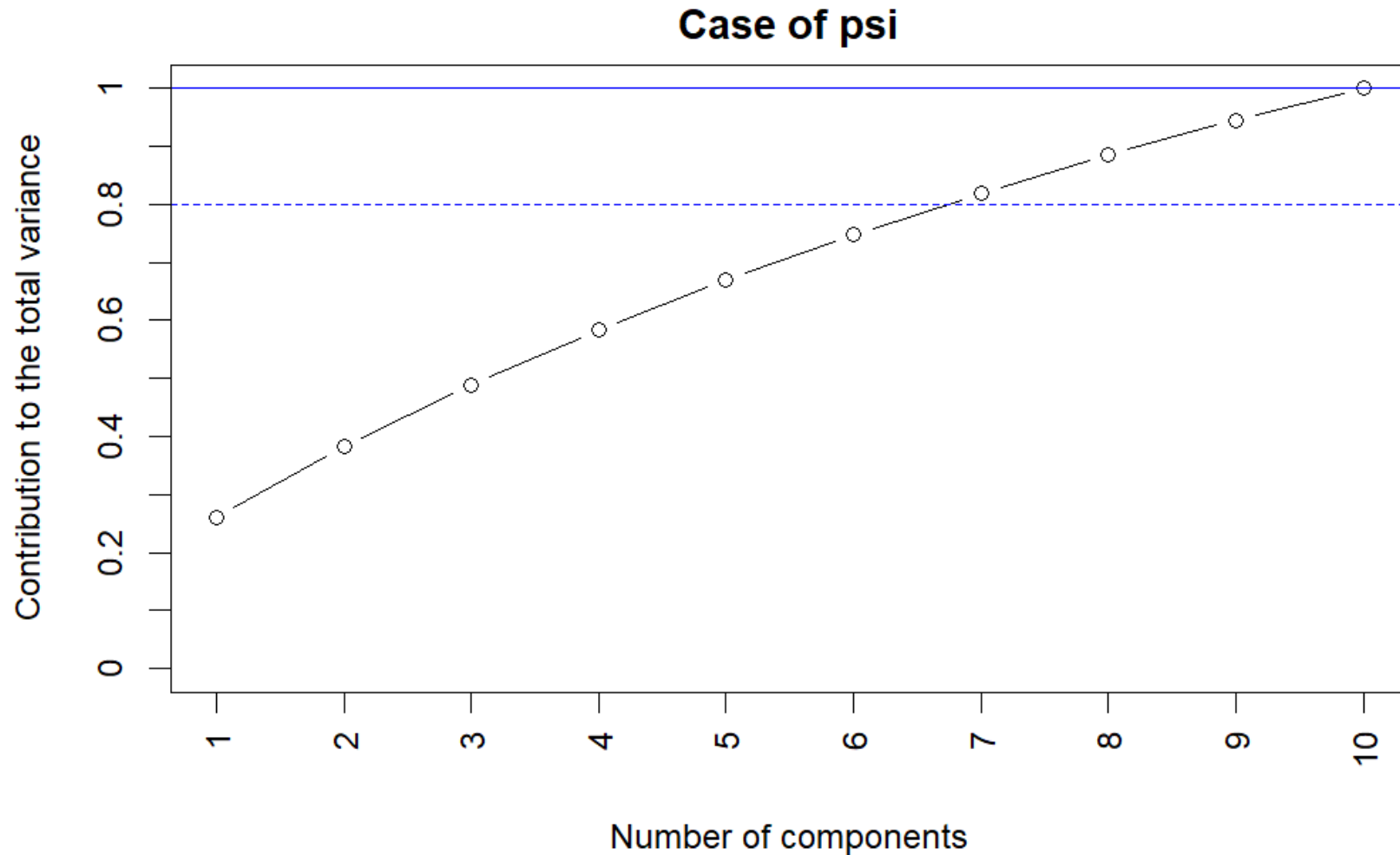
selected countries



# DIMENSIONALITY REDUCTION WITH PCA



# DIMENSIONALITY REDUCTION WITH PCA



# DEVELOPMENTS



NA treatment



Exploratory analysis



Regression



Mixed effect model





# OPEN QUESTIONS

- ▶ Working with a smaller dataset
- ▶ Grouping observations by school
- ▶ No gaussianity assumption
- ▶ Compute a score to synthesize the well being of the students

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic visual effect. The text is centered in a bold, green, sans-serif font.

THANK YOU FOR YOUR  
ATTENTION!