



# one\_scream

for equity in education  
and health across Europe





Gráfico de la Semana

Por Juan Carlos Barba

## ¿Cuánto más viven los ricos que los pobres?

En todo el mundo, la esperanza de vida es mayor entre los ricos, pero hay grandes diferencias entre países



Les plus pauvres vivent moins longtemps que les plus riches, selon une étude du ministère de la Santé

Lecture 1 min

Accueil • Sud Ouest Éco • Réforme des retraites



Eurostat: Ένας στους τέσσερις Έλληνες ήταν στο όριο της φτώχειας το 2023

Τα υψηλότερα ποσοστά ατόμων που κινδύνευαν από τη φτώχεια αναφέρθηκαν στη Ρουμανία (3%), τη Βουλγαρία (3%), την Ισπανία (2%) και την Ελλάδα (2%).

Newsroom

12.6.2024 | 23:48



## „Armut ist ein Gesundheitsrisiko“

Arme Menschen sind von Krankheiten besonders stark bedroht.  
Warum das bei Covid-19 auch so ist, hat uns der Medizinsoziologe Nico Dragano erklärt

Interview: Oliver Bellak

03.08.2020 Corona 4 Min.

## For life expectancy, money matters

Peter Reuell | Harvard Staff Writer

April 11, 2016 • 6 min read

You might expect two or three years of life differential ... but 10 or 15 years ... it's an immense difference'

## Santé: les Suisses vivent plus longtemps mais ne sont pas tous égaux face à la vieillesse

Les Suisses vivent, de manière générale, plus longtemps. Mais tous ne sont pas égaux face à la vieillesse. Il y a de fortes disparités en fonction du niveau d'éducation.

Life expectancy gap between rich and poor widens

15 February 2018

Share



Every year spent in school or university improves life expectancy, study says

Analysis also says not attending school is as deadly as smoking or heavy drinking



secondary and tertiary education is the equivalent of a lifetime of eating a diet of death by 34%, the study says. Photograph: Peter Lopeman/Alamy



# one\_scream

for equity in education  
and health across Europe

a project of Data Activists & Health Hackers

## SOURCES

>WHO

Health For All dataset [HFA]

Health Enhancing Physical Activity dataset [HEPA]

Global Health Expenditure Database [GHED]

>OECD [Organisation for Economic Co-operation and Development]

Programme for International Student Assessment [PISA measures]

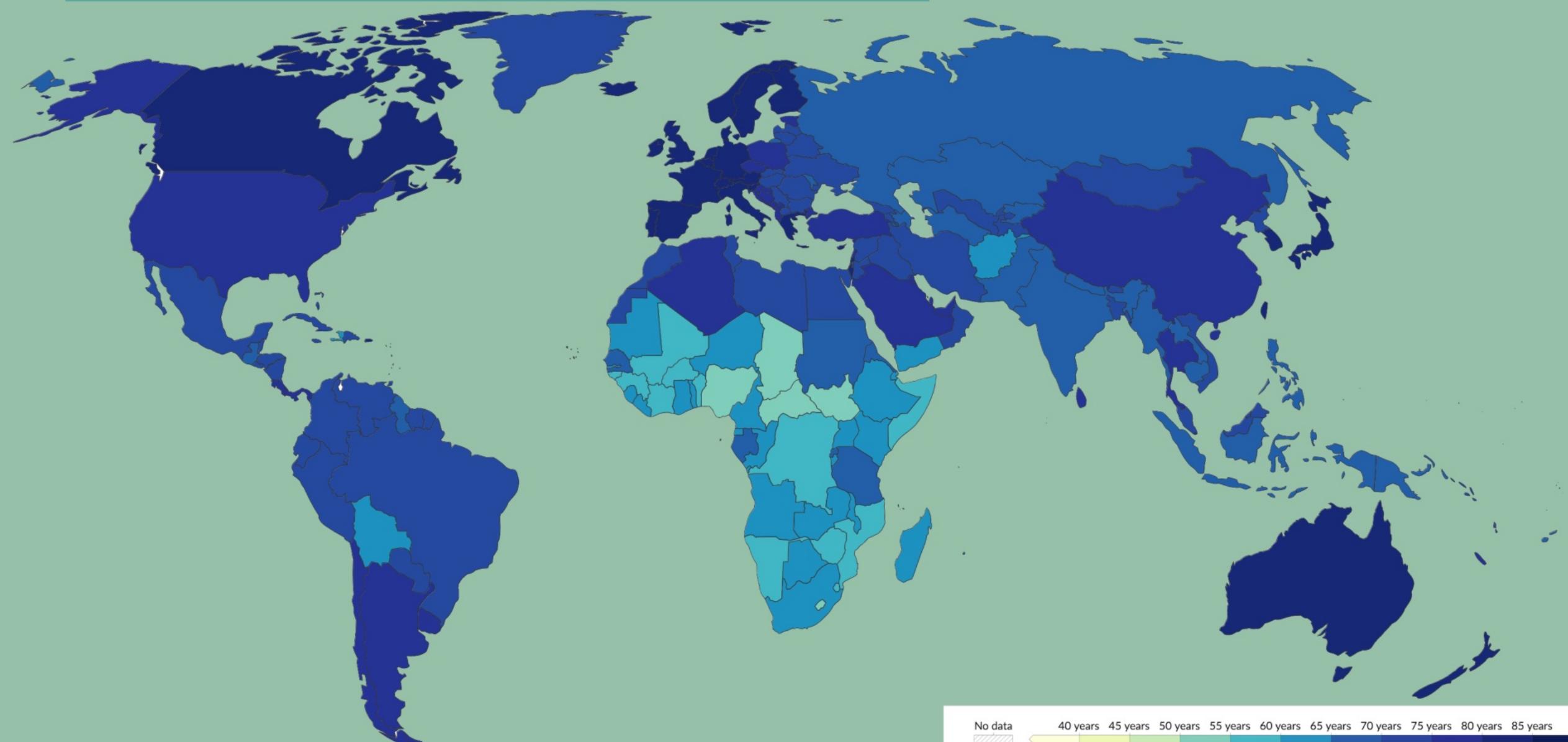
>UN

public education expenditure [SYB66]

>HBSC org

Health Behaviour in School-aged Children

# life expectancy around the world

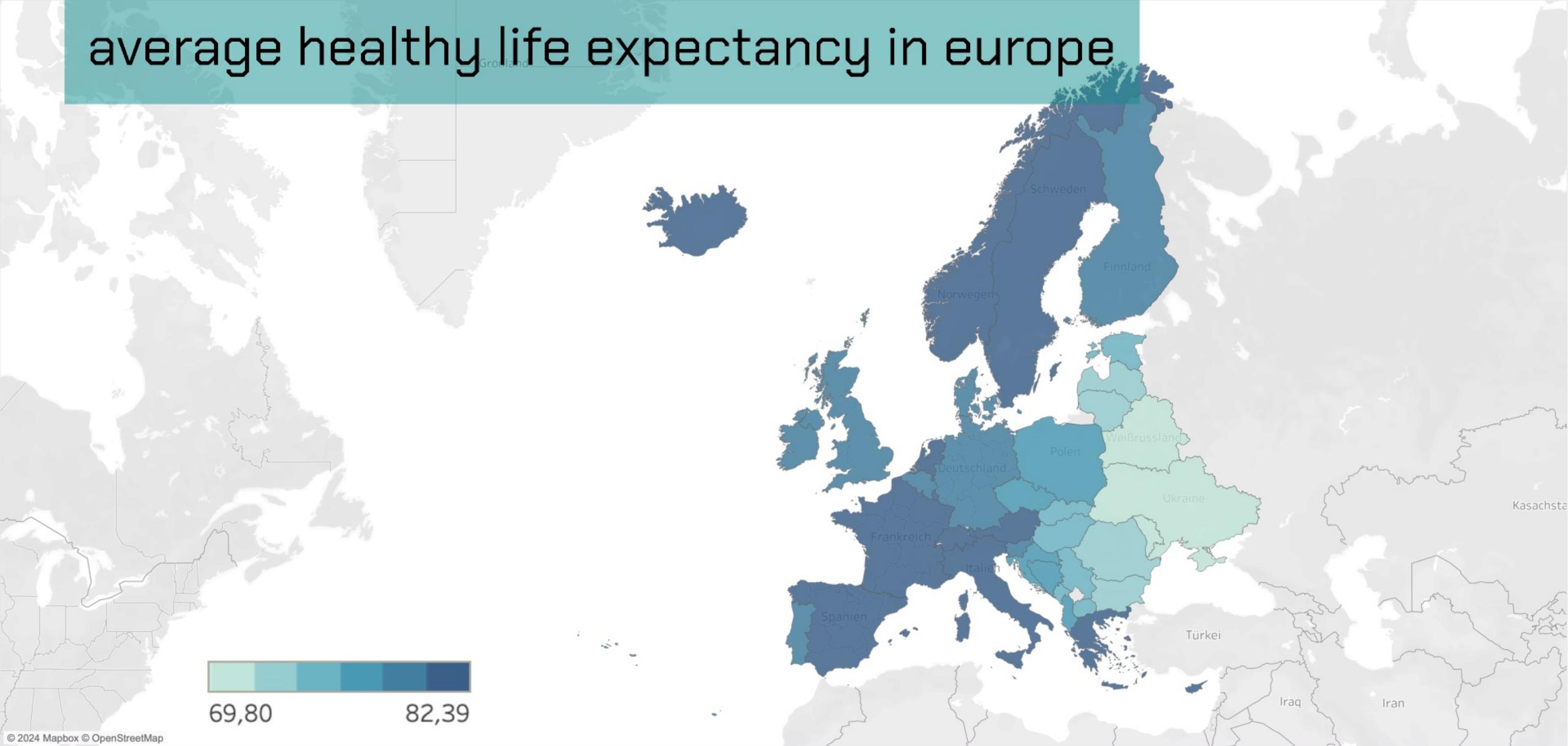


No data  
40 years 45 years 50 years 55 years 60 years 65 years 70 years 75 years 80 years 85 years

Data source: Human Mortality Database (2023); United Nations - World Population Prospects (2022)  
OurWorldInData.org/life-expectancy | CC BY

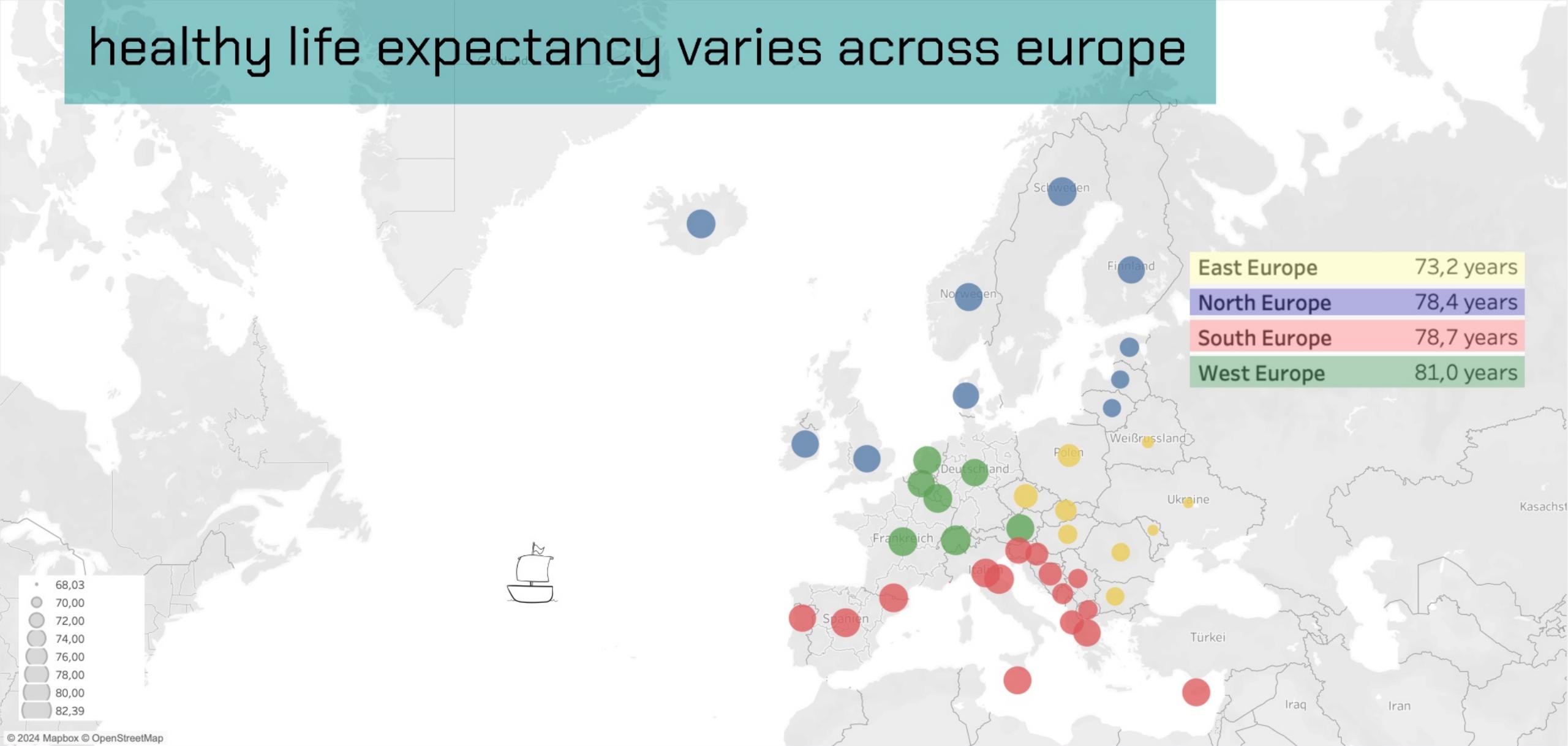
healthy\_life\_expectancy

# average healthy life expectancy in europe



average life expectancy in europe: **77.7 years**

# healthy life expectancy varies across europe



difference of ca. 8 years from east to west europe



# one\_scream

for equity in education  
and health across Europe

a project of Data Activists & Health Hackers

governmental\_efforts

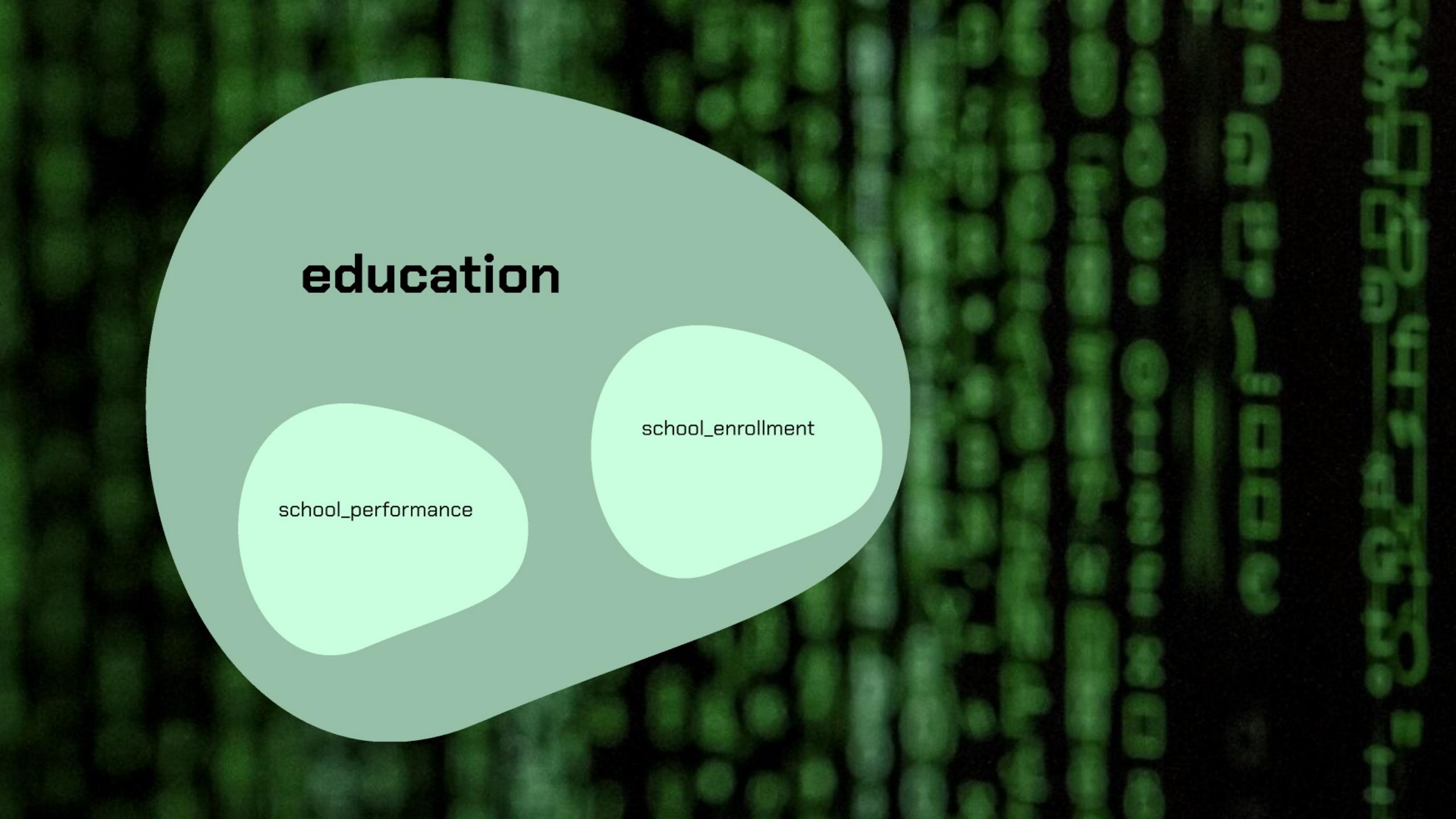
education

healthy\_life\_expectancy

income



education

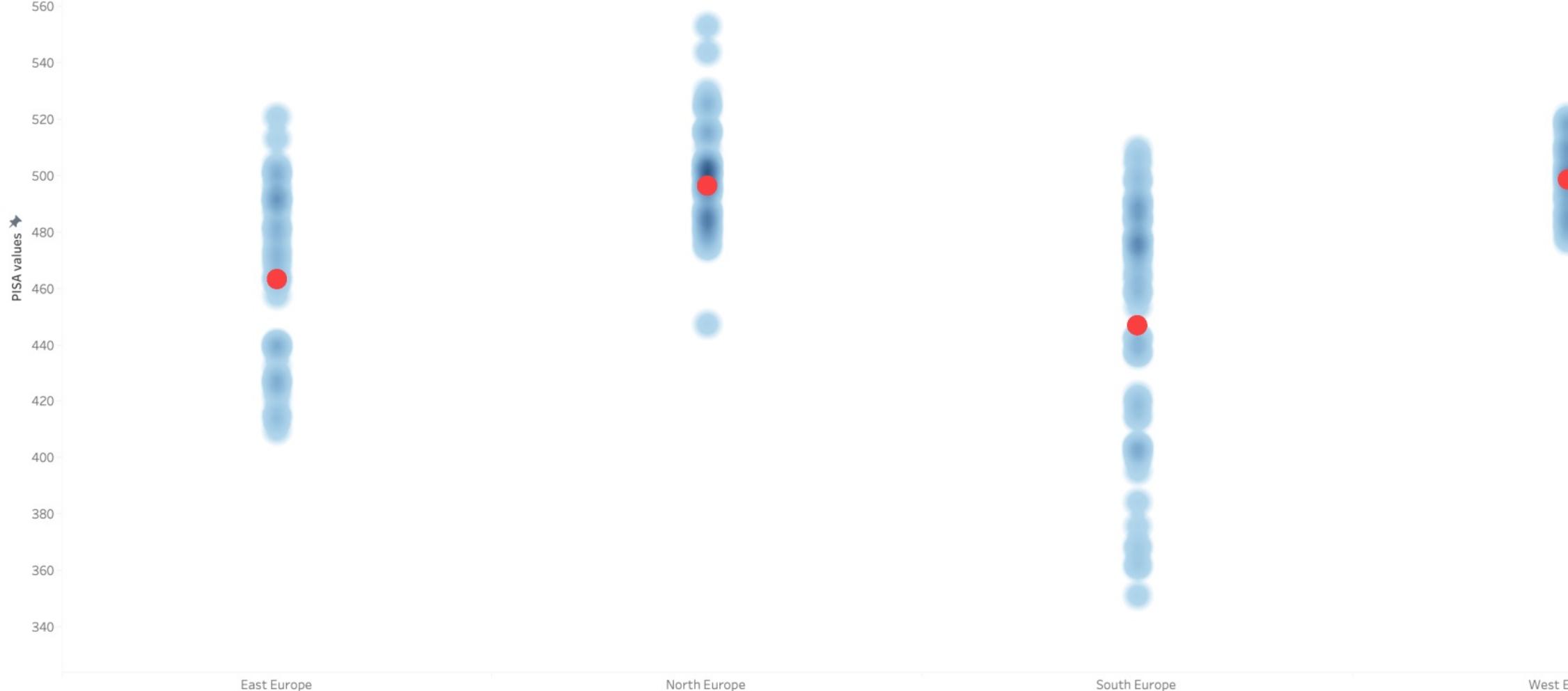


# **education**

school\_enrollment

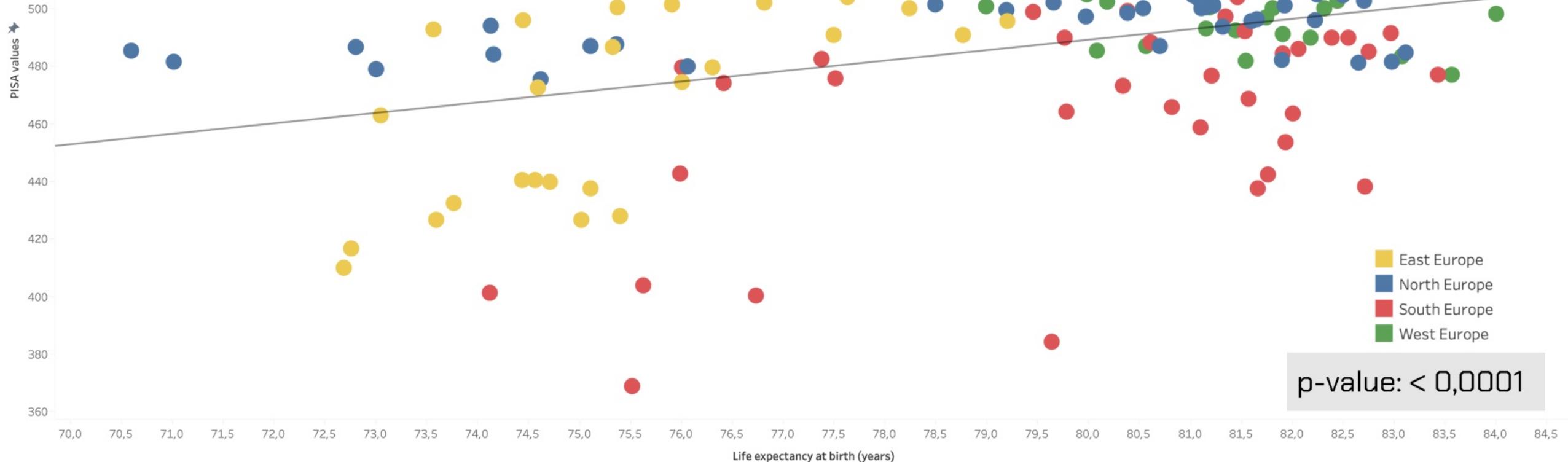
school\_performance

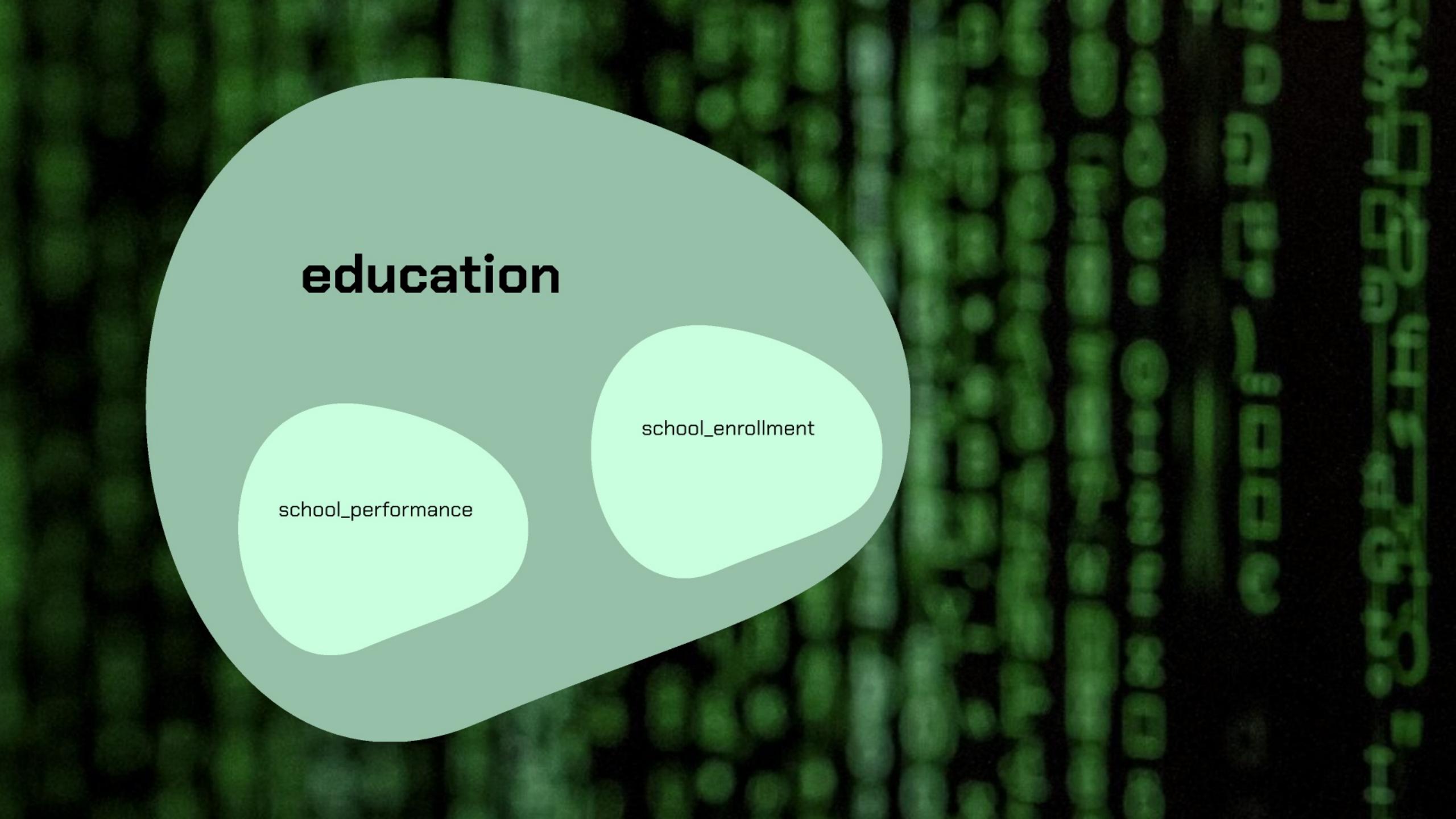
# inequalities in school performance across europe



average PISA scores and range of scores vary across regions

# better school performance extends life expectancy



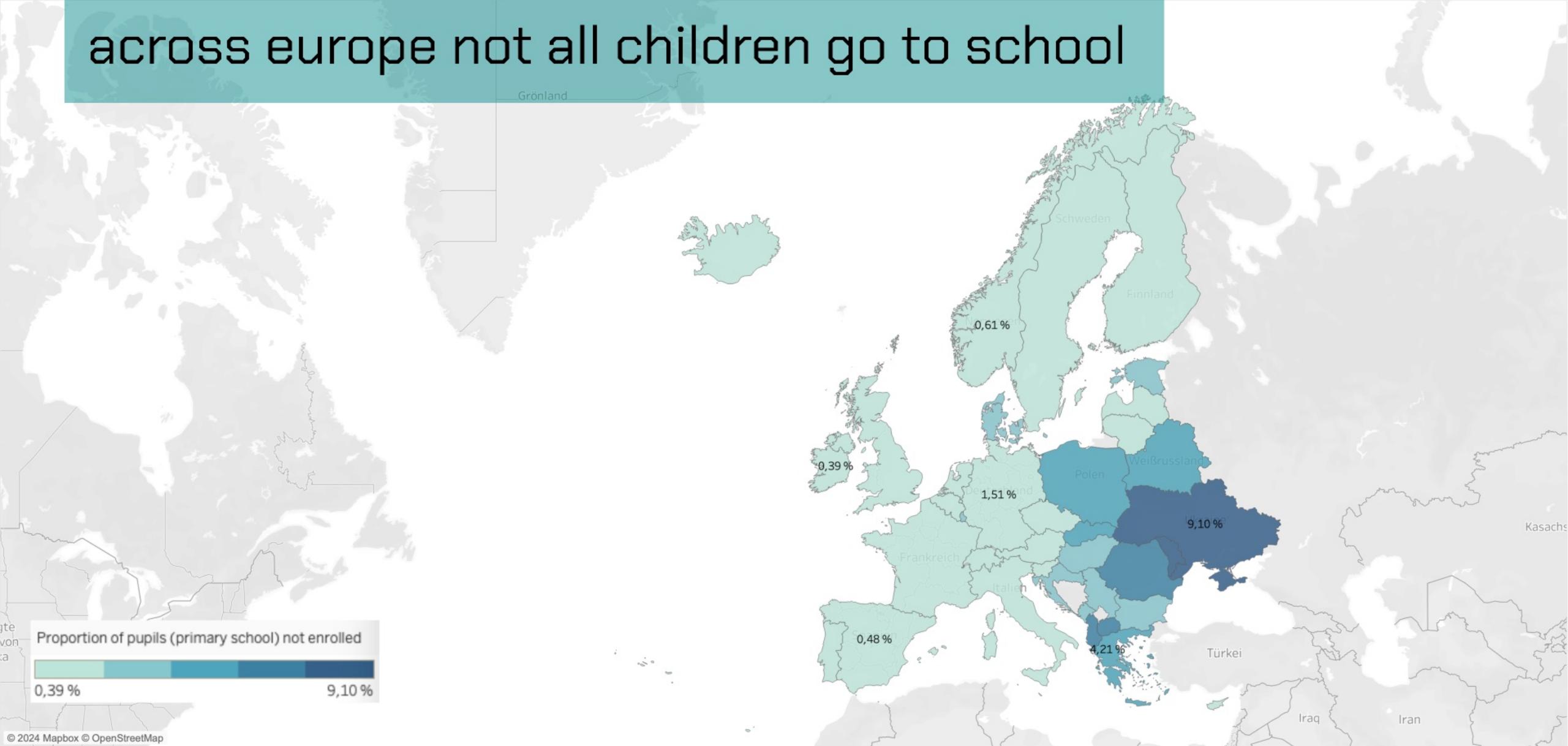


# **education**

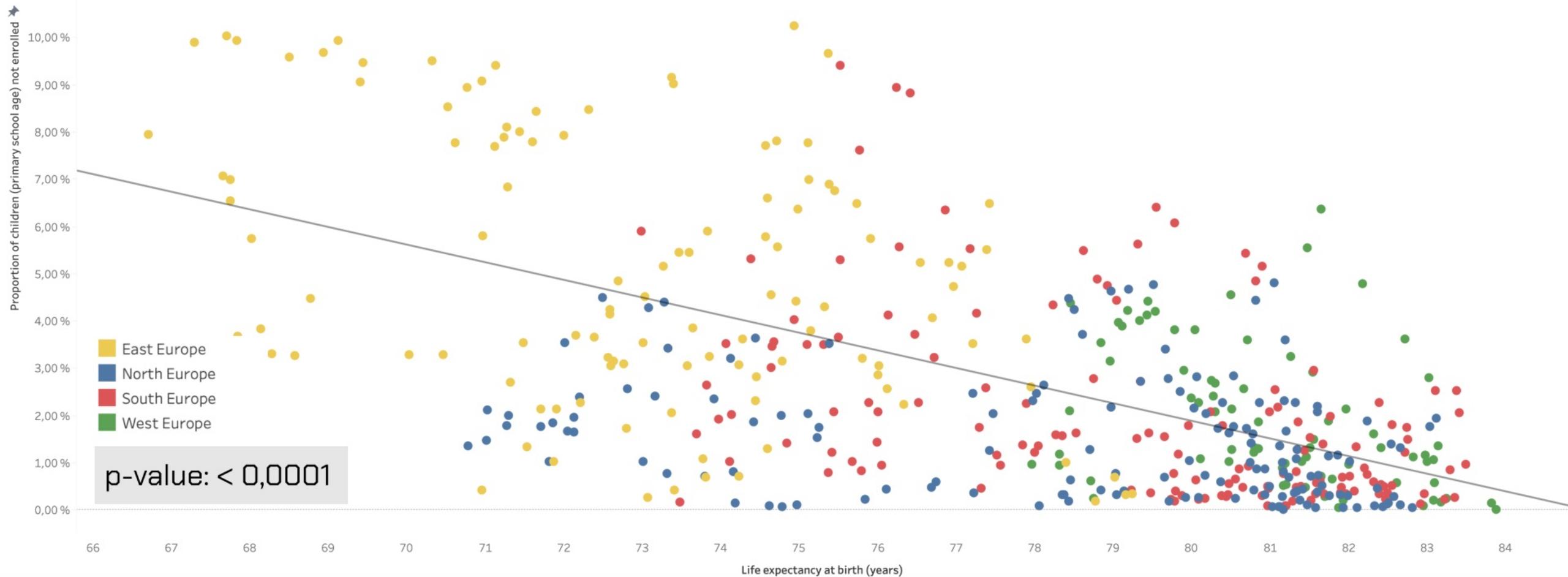
school\_enrollment

school\_performance

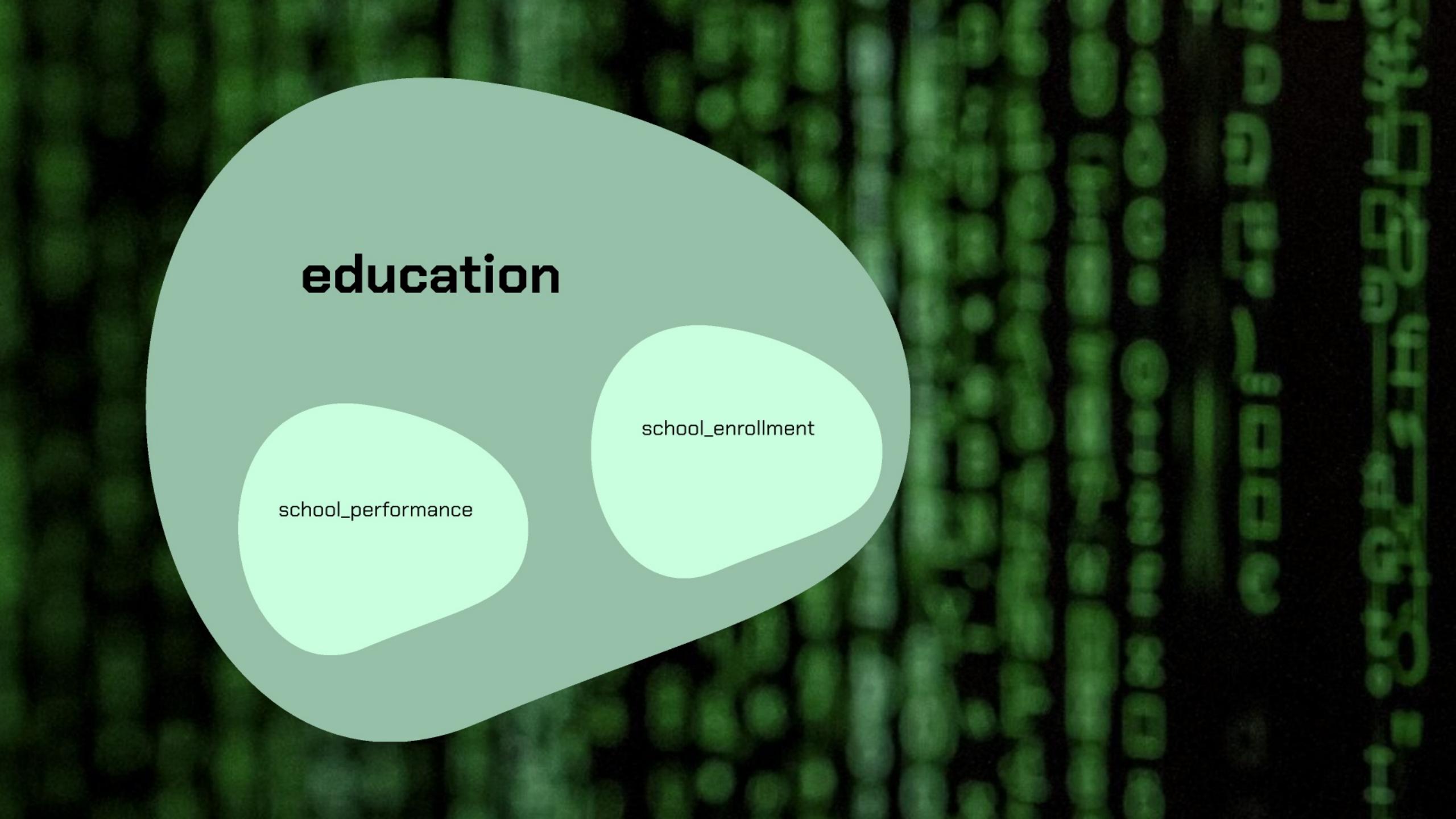
# across europe not all children go to school



# going to school enhances chances to live longer



not being enrolled in primary school as a child relates to lower life expectancy



# **education**

school\_performance

school\_enrollment

## summary: education and life expectancy

- educated people tend to live longer
- good education fosters a healthier life



# one\_scream

for equity in education  
and health across Europe

a project of Data Activists & Health Hackers

governmental\_efforts

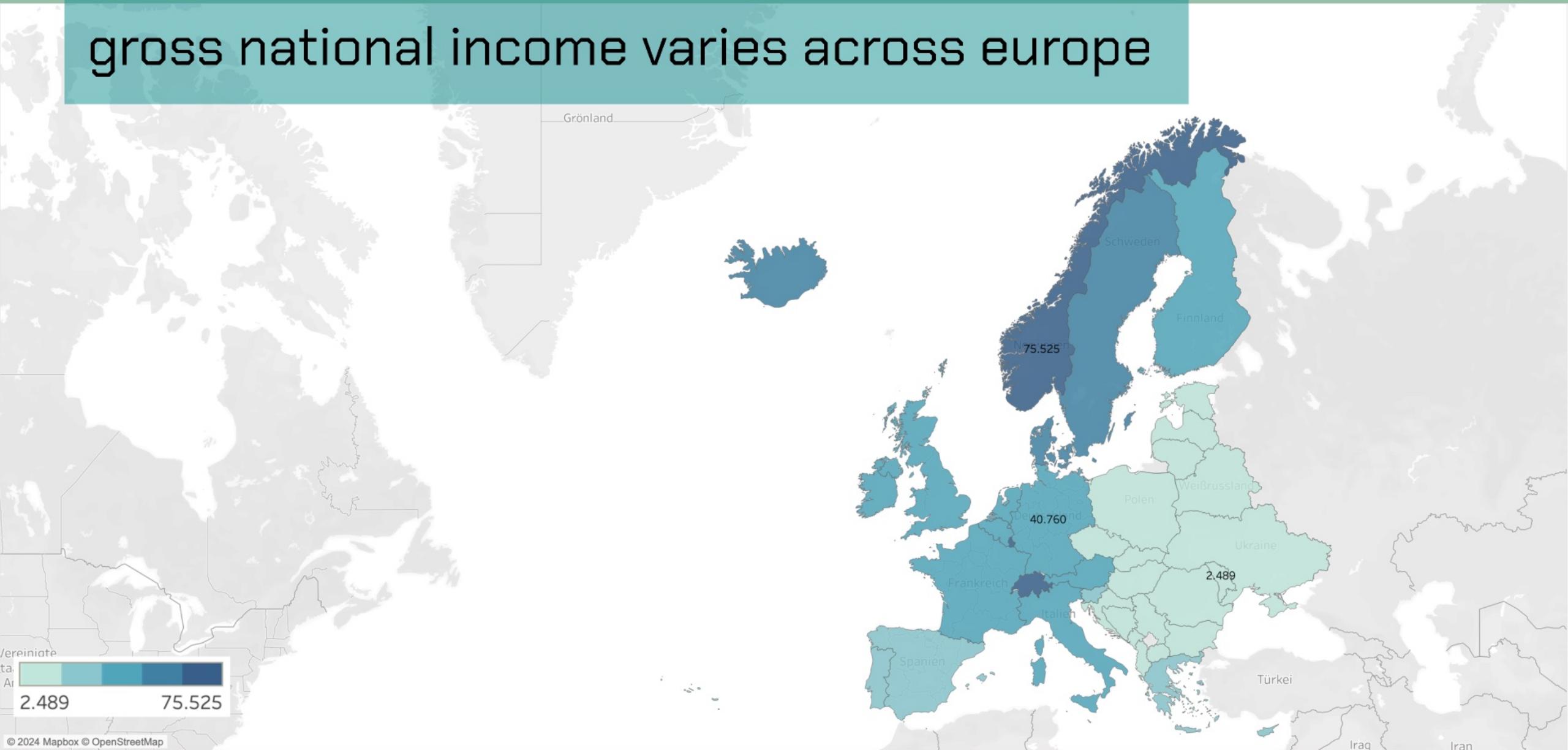
education

healthy\_life\_expectancy

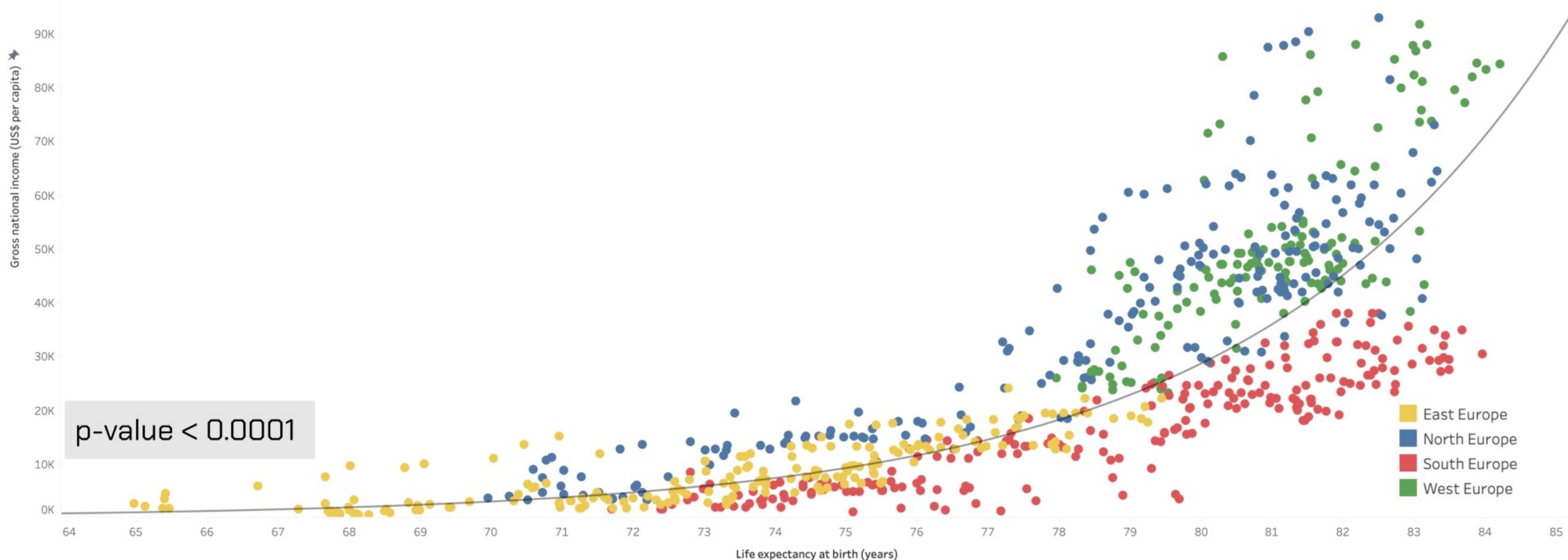
income

# income

# gross national income varies across europe



the higher the national income, the longer people live



## summary: national income and life expectancy

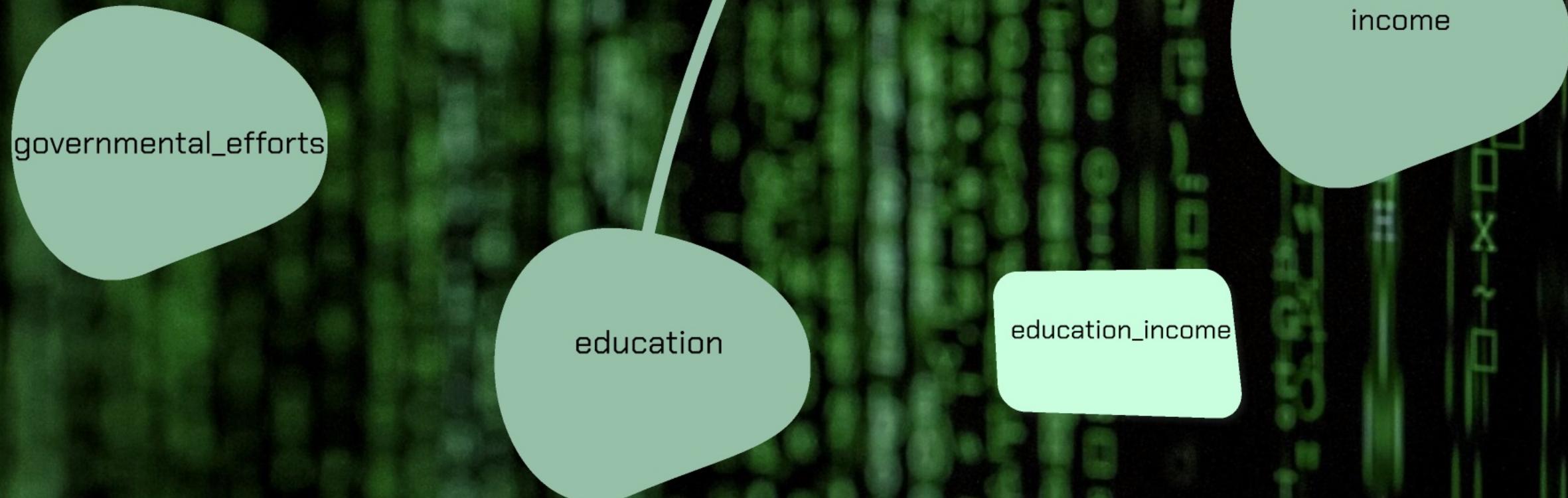
- people in higher income countries tend to live longer
- higher income ensures a healthier life



# one\_scream

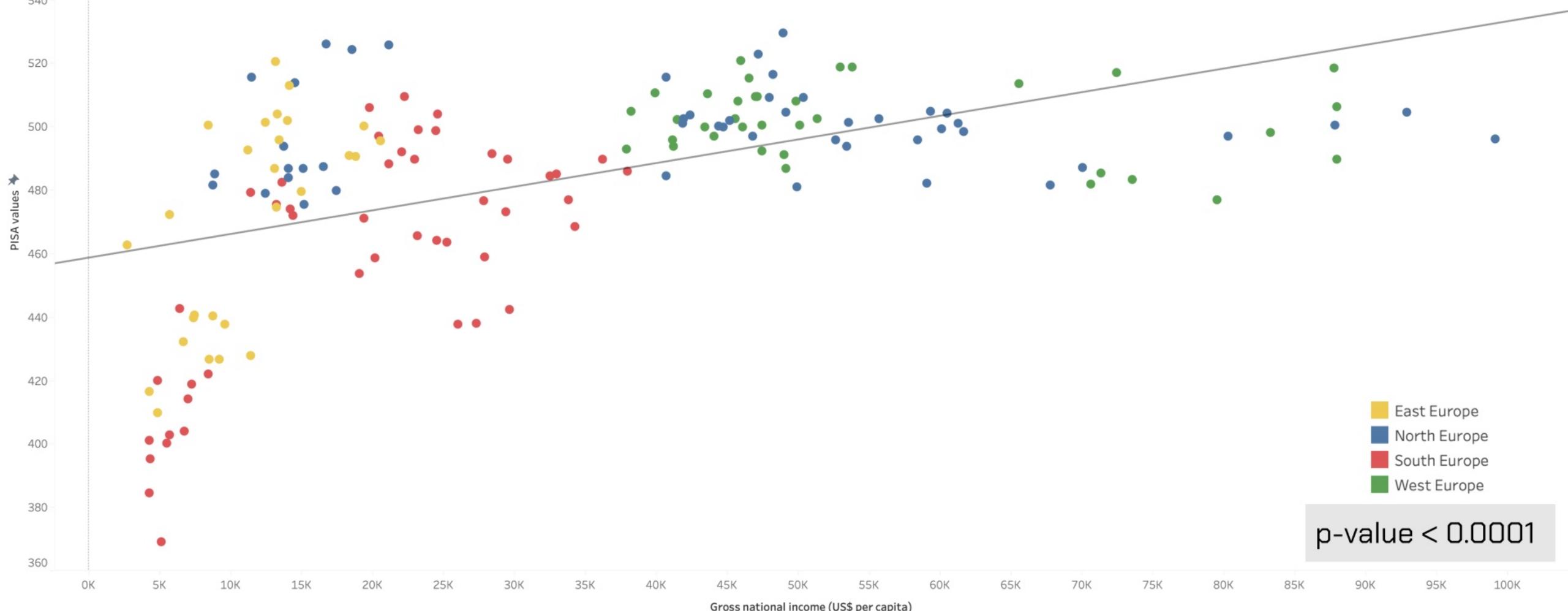
for equity in education  
and health across Europe

a project of Data Activists & Health Hackers

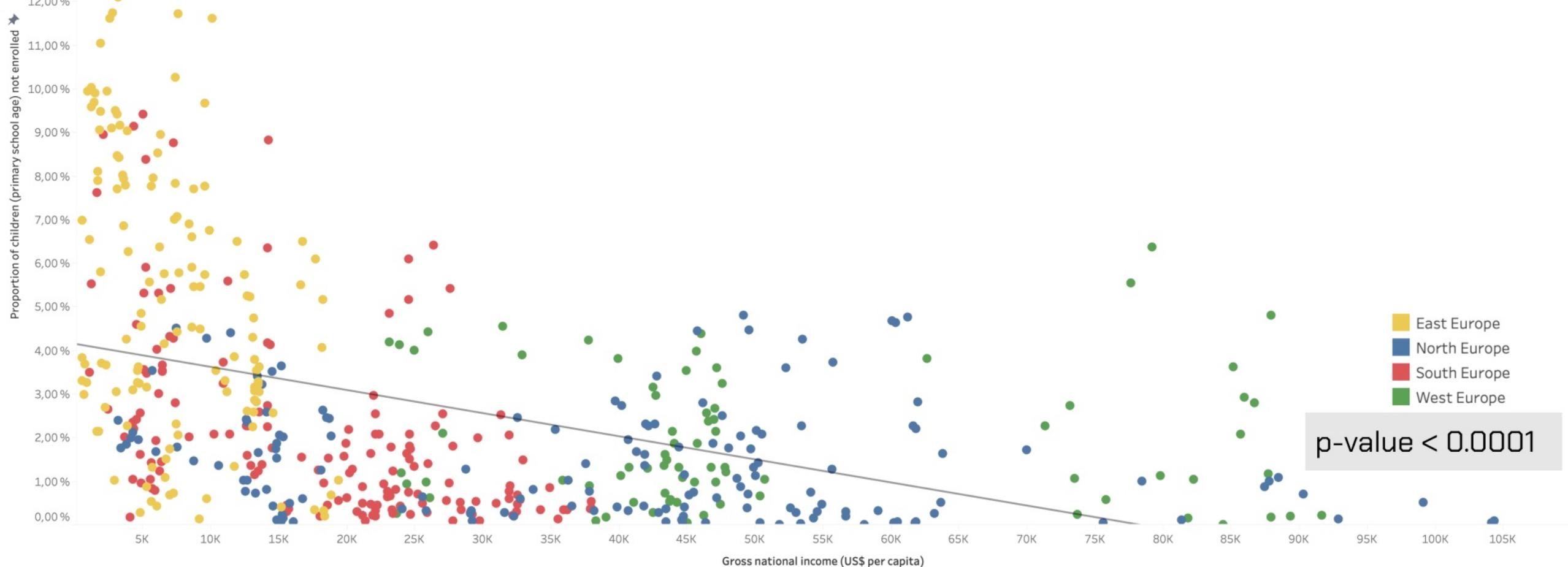


education\_income

# pupils perform better in rich countries



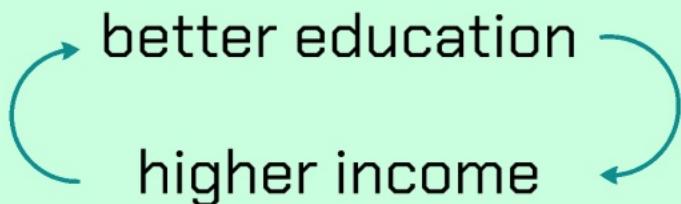
# less children skip school in rich countries



# Summary: education and income

- in rich countries children go to school
- in rich countries pupils perform better

## **income - education loop:**

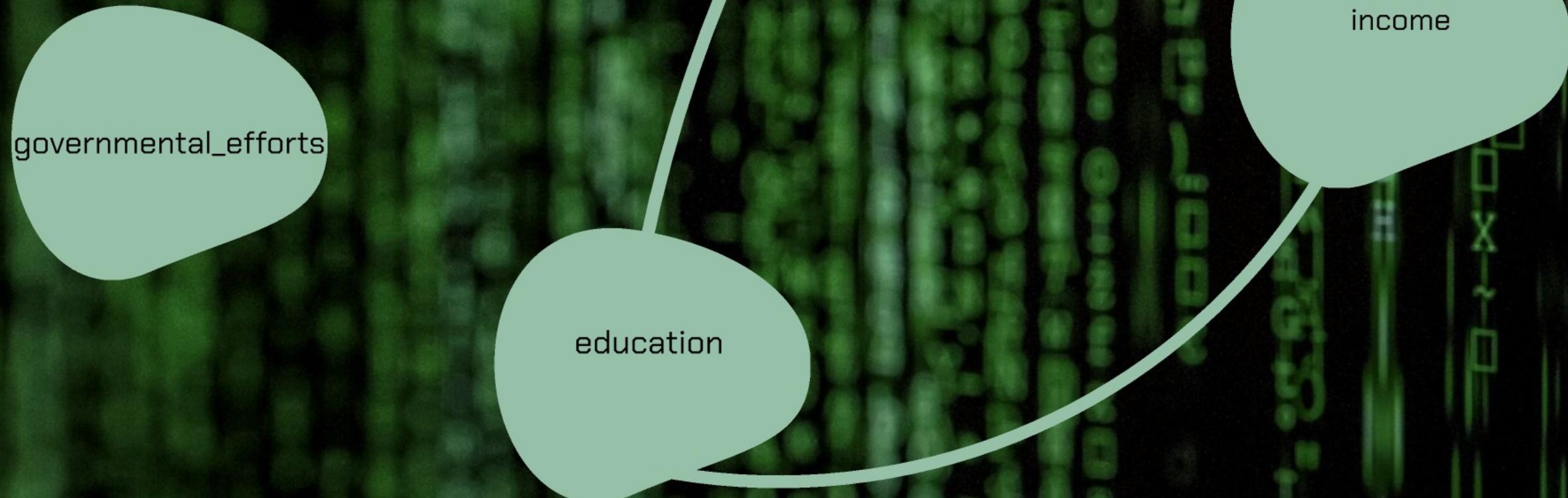




# one\_scream

for equity in education  
and health across Europe

a project of Data Activists & Health Hackers



governmental\_efforts

# **governmental\_efforts**

expenditure\_on\_education

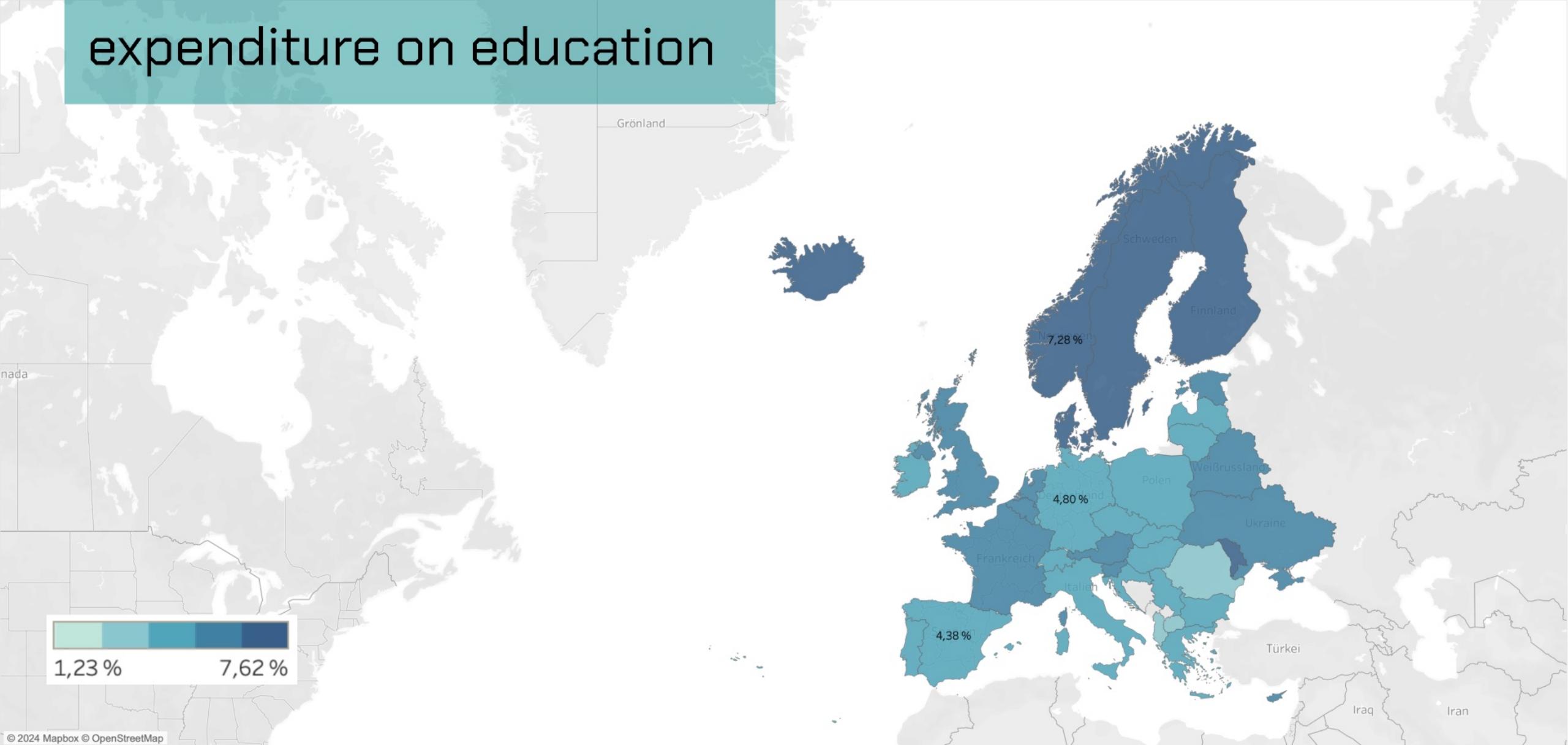
expenditure\_on\_health

# **expenditure\_on\_education**

school\_performance

school\_enrollment

# expenditure on education

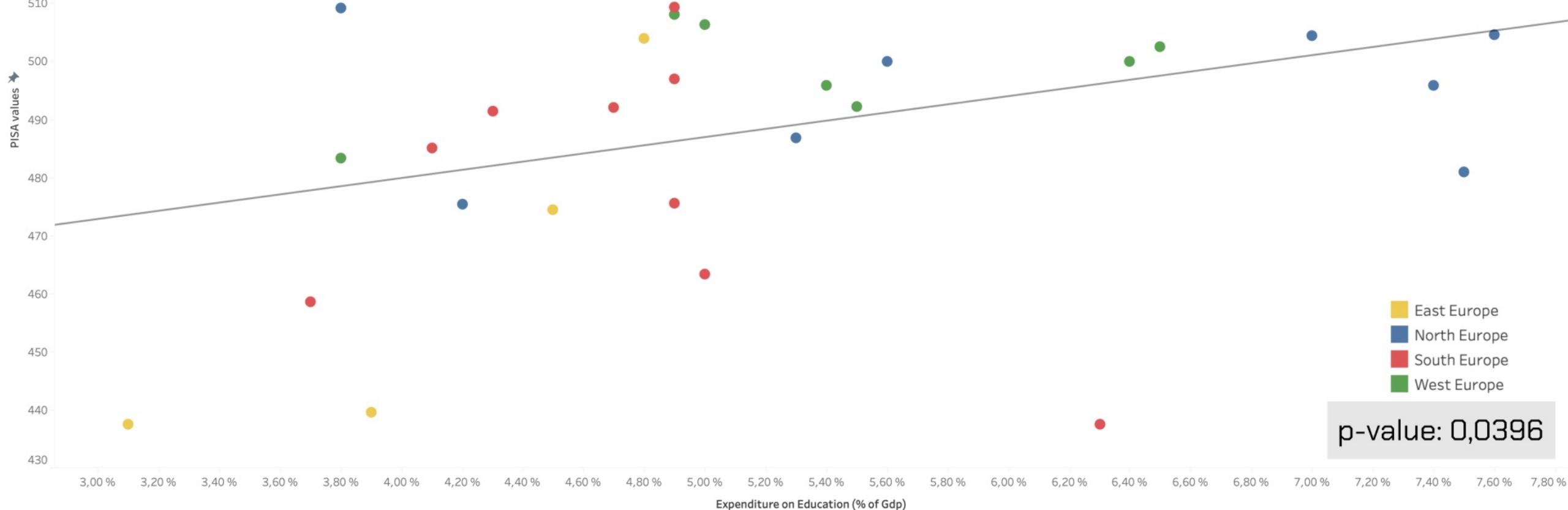


# **expenditure\_on\_education**

school\_performance

school\_enrollment

the more money spent on education, the better the pupils perform



# **expenditure\_on\_education**

school\_performance

school\_enrollment

9,00 %

8,00 %

# less money on education, less children enrolled

Proportion of children (primary school age) not enrolled ↗

7,00 %

6,00 %

5,00 %

4,00 %

3,00 %

2,00 %

1,00 %

0,00 %

Expenditure on Education (% of Gdp)



East Europe

North Europe

South Europe

West Europe

p-value: 0,008

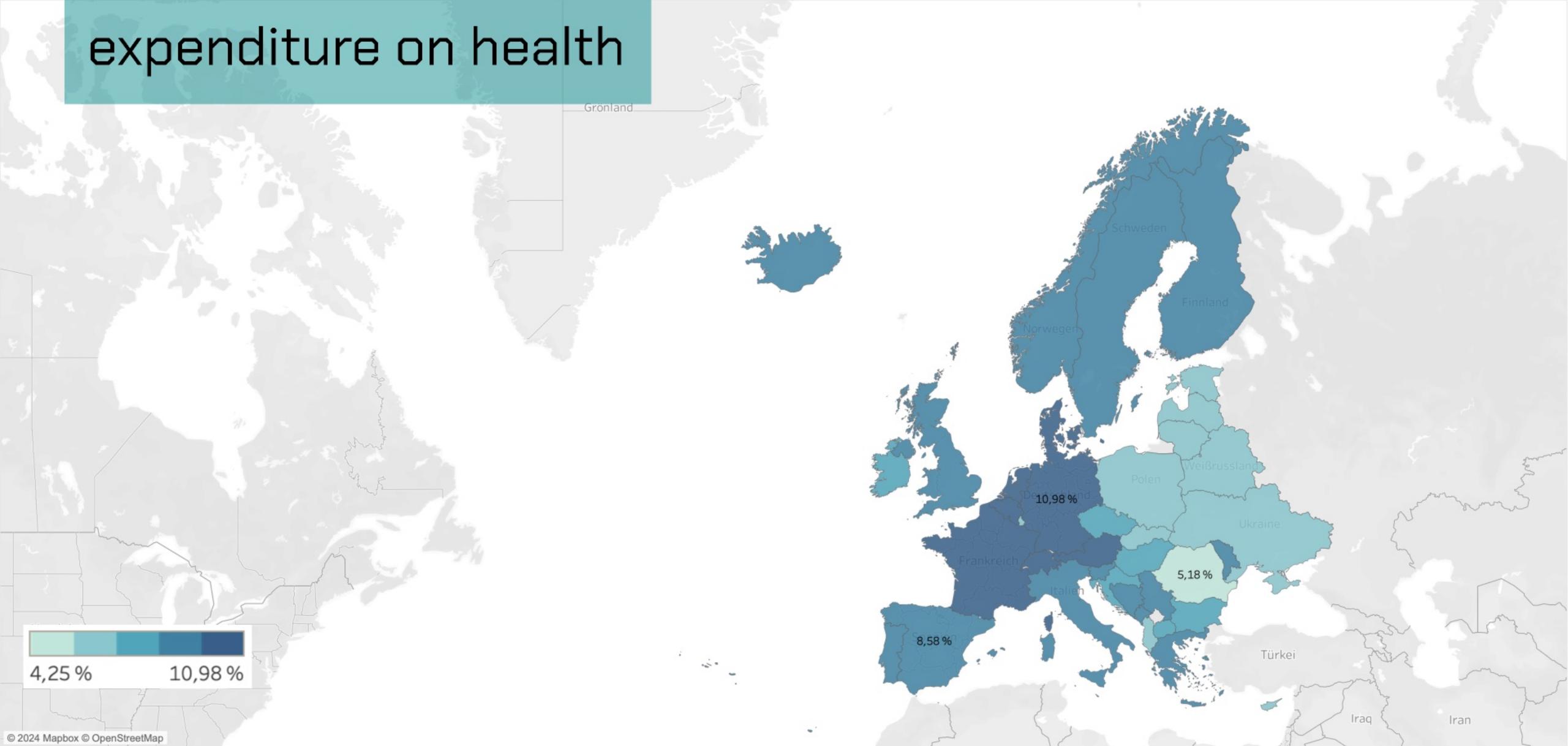
this negative correlation between educational expenditure and children school enrollment translates to:  
less money spent on education, the more children skip school

## **governmental\_efforts**

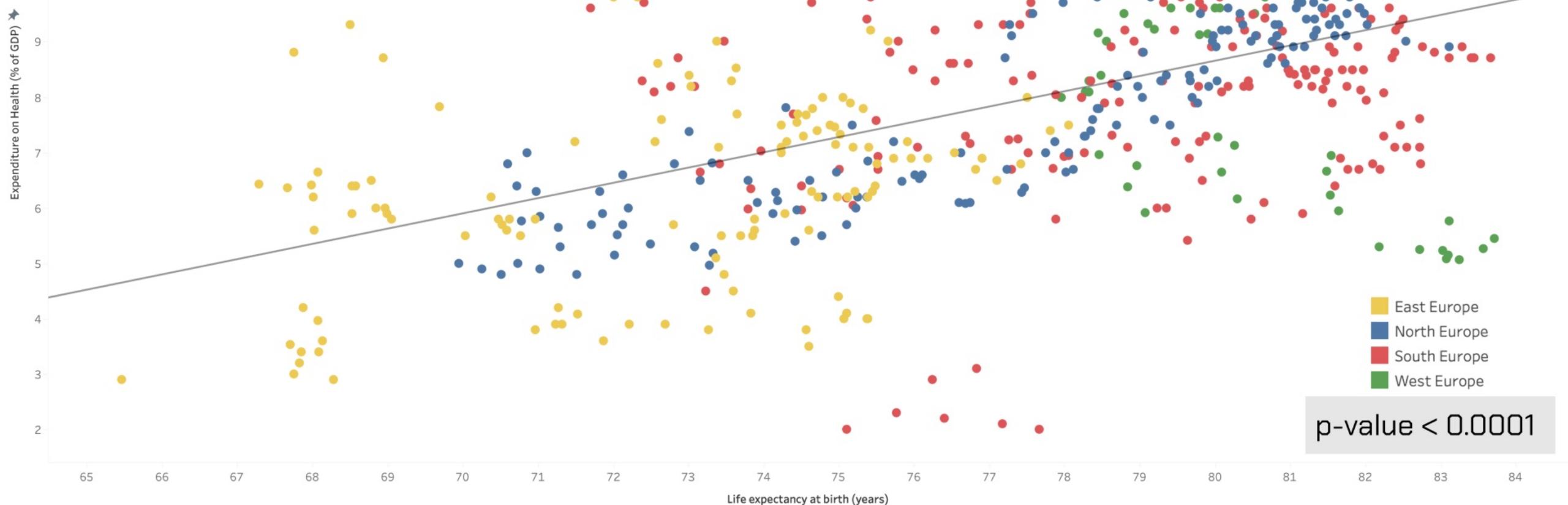
expenditure\_on\_education

expenditure\_on\_health

# expenditure on health



the more money spent on health, the more years to live

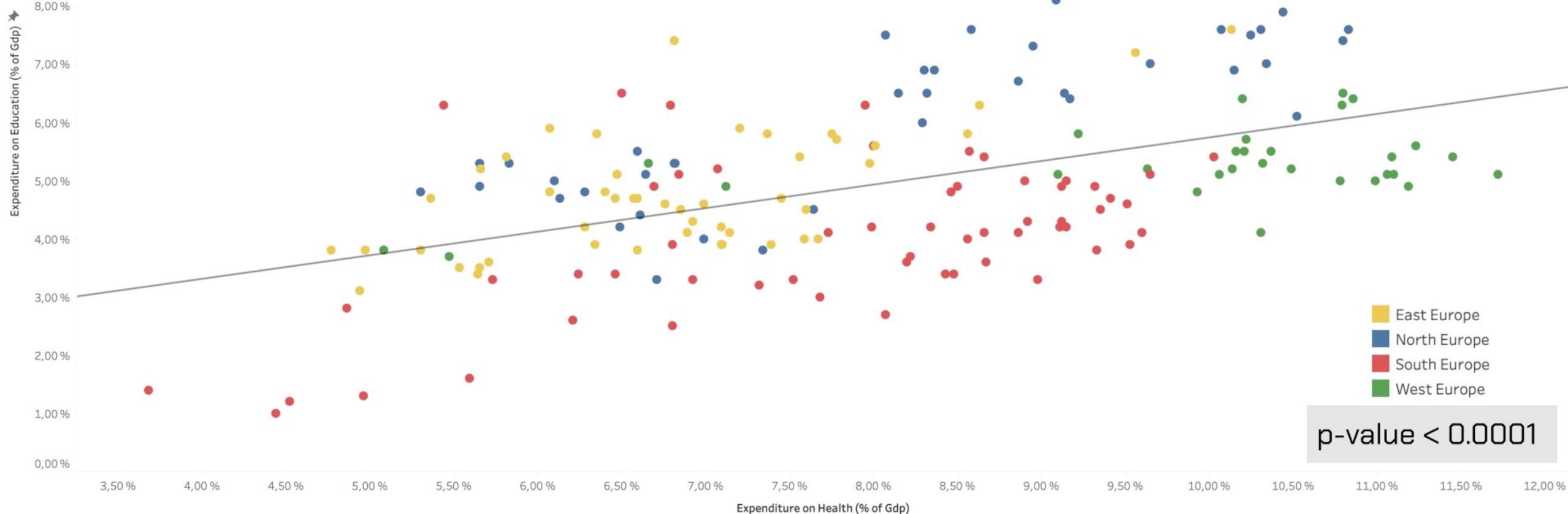


# **governmental\_efforts**

expenditure\_on\_education

expenditure\_on\_health

# health and education expenditures go hand in hand



## summary: health and education expenditures

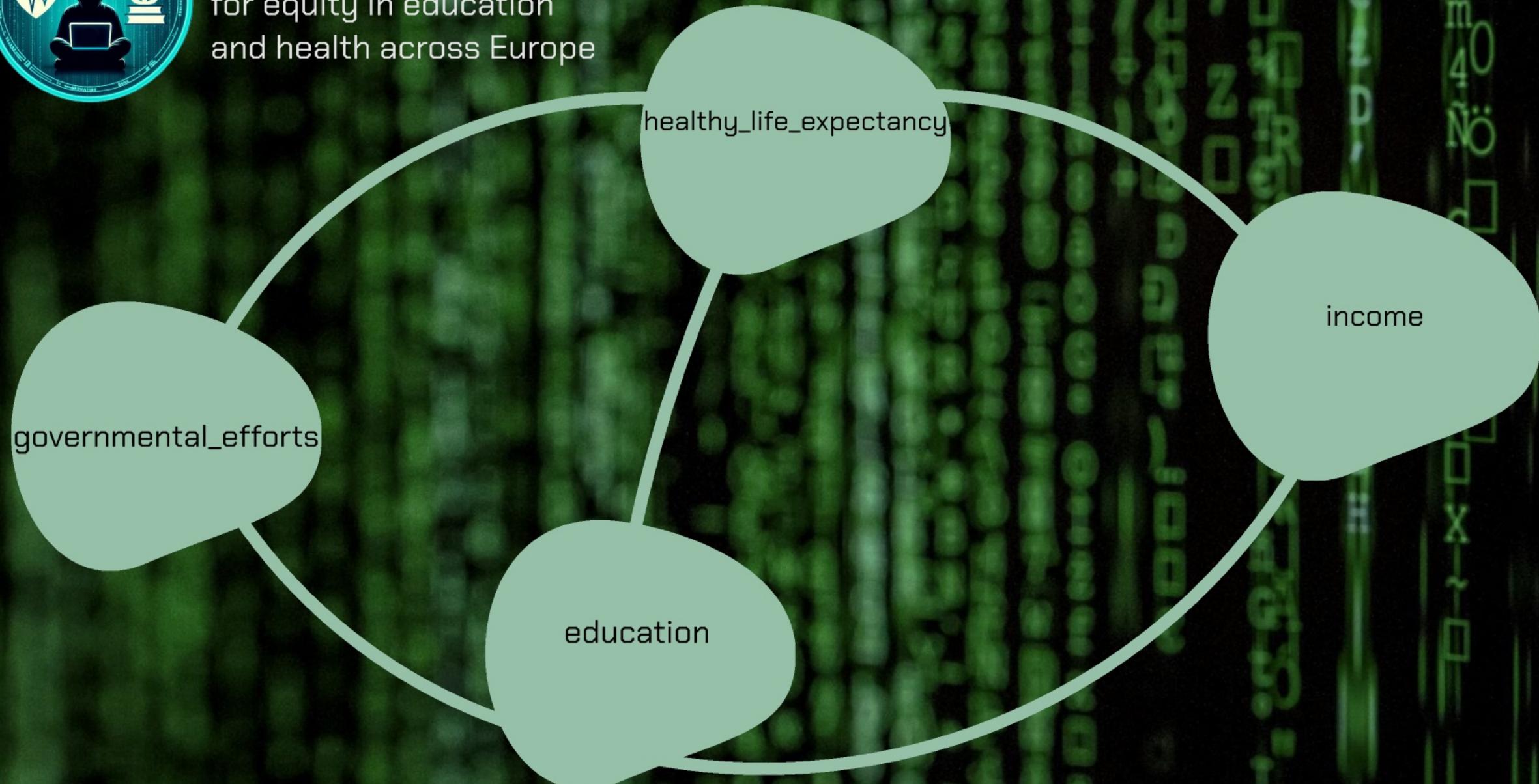
- higher investments in education lead to
  - better quality of education
  - less people without education
- more money spent on health leads to healthier and longer life



# one\_scream

for equity in education  
and health across Europe

a project of Data Activists & Health Hackers





# one\_scream

for equity in education  
and health across Europe

a project of Data Activists & Health Hackers

## Summary

- **life expectancy** varies between european countries
- people live longer and healthier when:
  - they **are educated**
  - they have **higher income**
  - **governments spend more** on health and education



# one\_scream

for equity in education  
and health across Europe

a project of Data Activists & Health Hackers

- **education for all**
- spend more on **high quality education**
- minimum level of **income** for all citizens
- make **health and education expenditures a priority**



one\_scream  
for equity in education  
and health across Europe