Flowing Insights

Navigating Poland's Water Consumption Landscape and Beyond

Dominik Żabiński (306068)

Agenda

- Water consumption who cares?
- High level of granulation data what to do with it?
- Summary & used packages

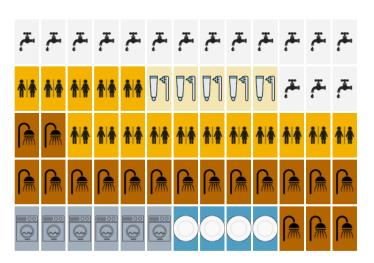
For the most basic needs

litres daily

Source: World Health Organization

How do we use water daily?

if one uses 130 I; each box represents 2I



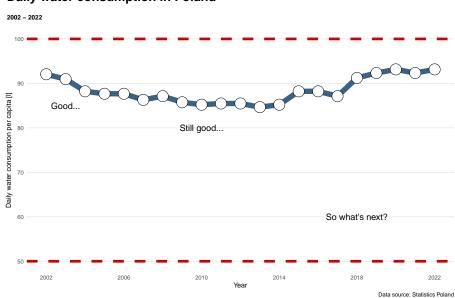
Hot Tap
(101)
Shower
(361)
Tollet
(311)
Washing Machine
(131)

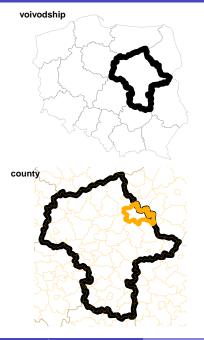
Cold Tap (31I)

Dishes

Data: Energy Saving Trust, At Home with Water

Daily water consumption in Poland

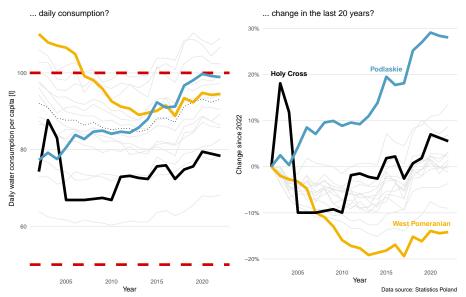




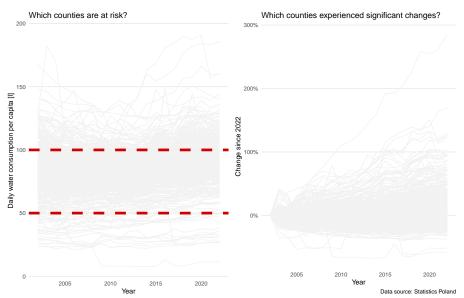
How Polish administrative system works?



How about voivodship regarding ...

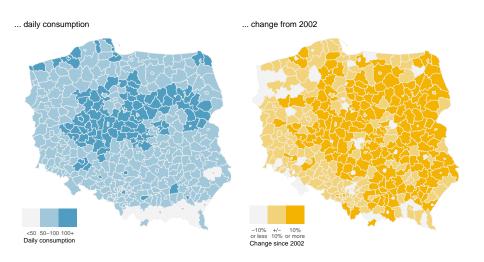


Counties - is this the best we can do?

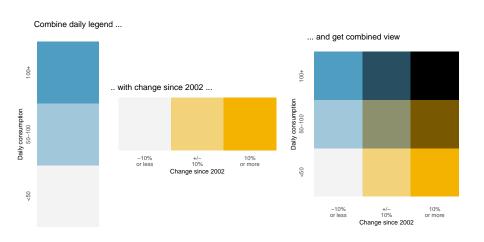


Map to the rescue!

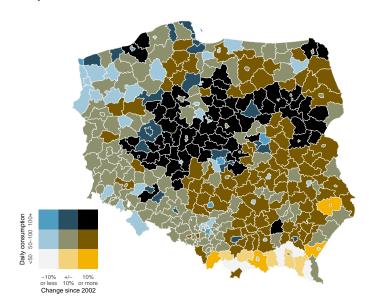
County level ...



Why not both?

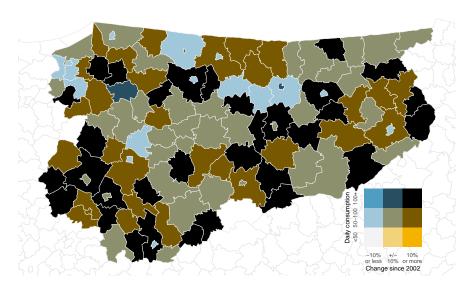


One map to rule them all

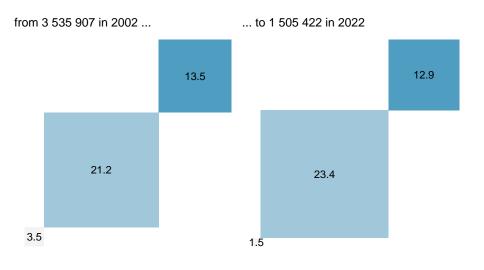


Communes combined

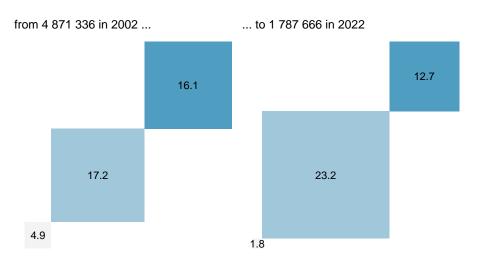
Communes in Warmia-Masuria Province



At county level number of people at risk dropped ...



At commune level number of people at risk dropped ...



Summary & packages

Summary

- drill down
- go spatial
- use weights

Packages

- {tidyverse}
- {bdl}
- {ggbump}
- {ggtext}
- {cowplot}
- {sf}
- {rmapshaper}
- {scales}

Thank you for the attention