How do Europeans spend their time ?
A D3.js visualization tool

What is out dataset ?

2010 survey on European citizens.
Basic question : How much time do you spend on average on `[insert type of activity]` per week ?

More than 20 activities, from `sleeping` 🛏️ to `school homework` 📒
Averaged on each participant country.

Crucial question : on which subset do we compute the average ? Example with `studying`

1: `Whole country population ?`

2: `Only students ?`

Case 1 : Time spent view

Select **activities** here !

Case 2 : Participation time view

Select **one activity** here !
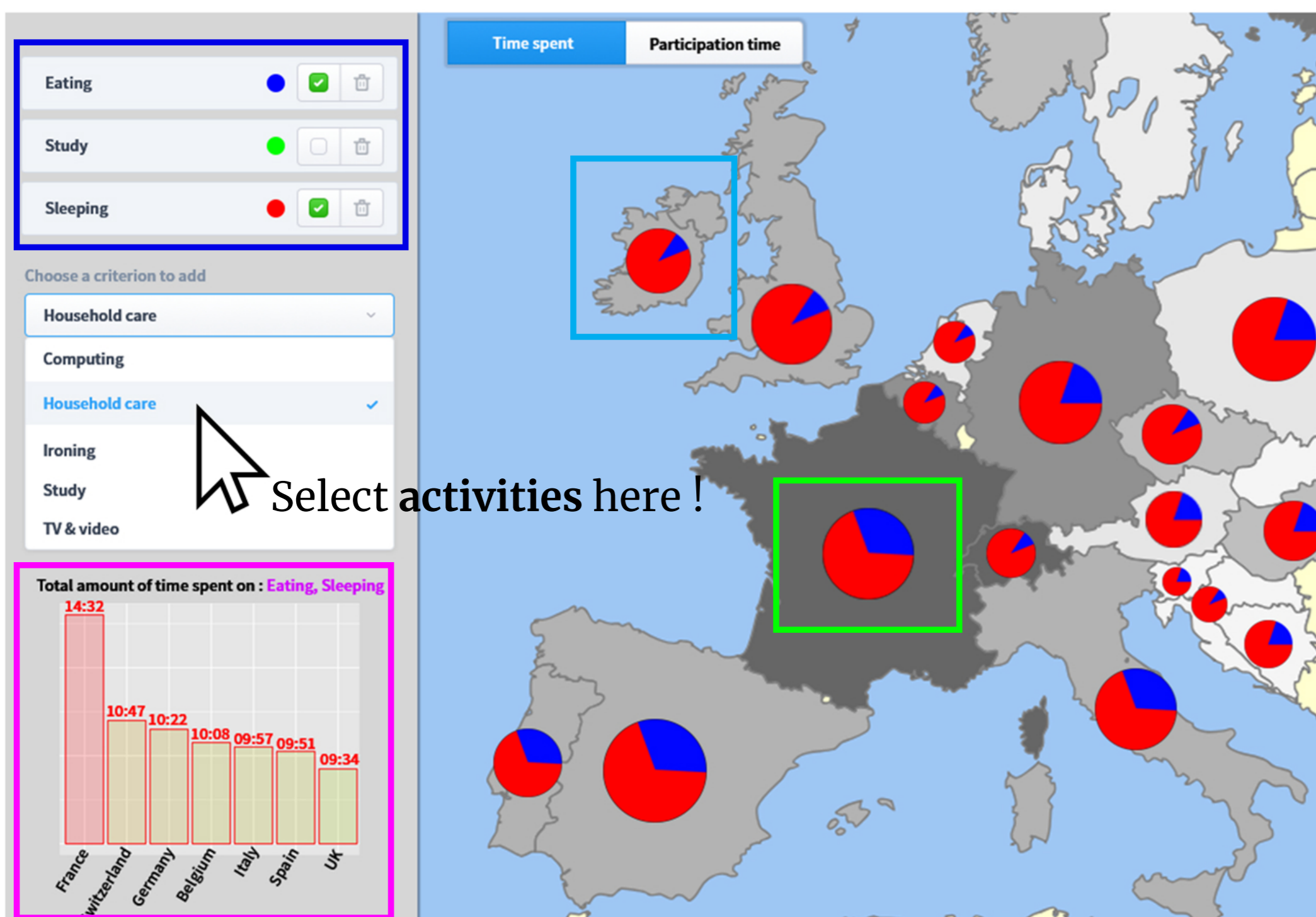
☐ **Coloured items** : subset of currently selected activities

☐ **Gray-scale color of countries** : total amount of time spent on selected activities

☐ **Pie charts** : relative amount of time (%) spent on each selected activity

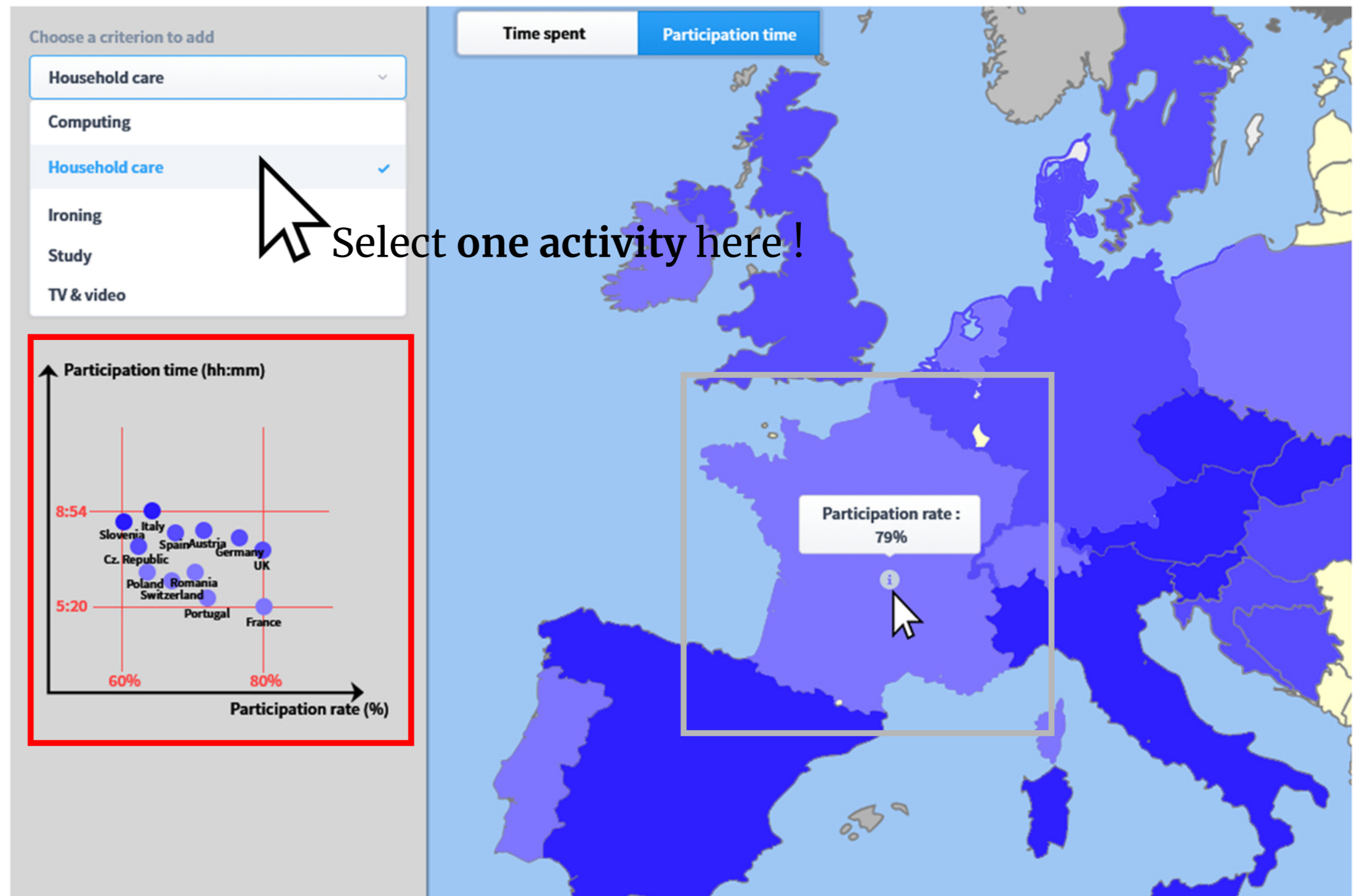☐ **Histogram** : Total amount of time spent on selected activities per country

Common use
1. Select a set of activities on the `dropdown list`
2. Associate a `specific colour` to each one
3. `Map` and `histogram` update automatically

Examples of use cases
Is there a 50/50 share between time spent `sleeping` and for `personal care` in Germany ?

Which countries spend the biggest amount of time `eating` ?

☐ **Blue-scale colour of countries** : participation time on selected activity

☐ **Scatter-plot chart** : 2-dimensional graph with participation time associated with participation rate (%) within the population

Common use
1. Select a specific activity on the `dropdown list`
2. `Map` and `histogram` update automatically

Examples of use cases
Which countries have the most hard-working students in terms of time spent on `homework` ?

Characterizing household care across european countries :
`Participation rate` tells about distribution of tasks
`Participation time` tells about dedication

Interest regarding to Time Spent view
Time spent = `Participation time` × `Participation rate`
Gives insight on the two quantities independently

Who are potential users ?

Sociologists working on traditions of European countries

Economists trying to understand average behaviours of consumption in European countries

Timon GLASSER, Corentin ROBINEAU, Paul-Elian TABARANT, Bolong ZHANG and Fangda ZHU