

1. Preparation

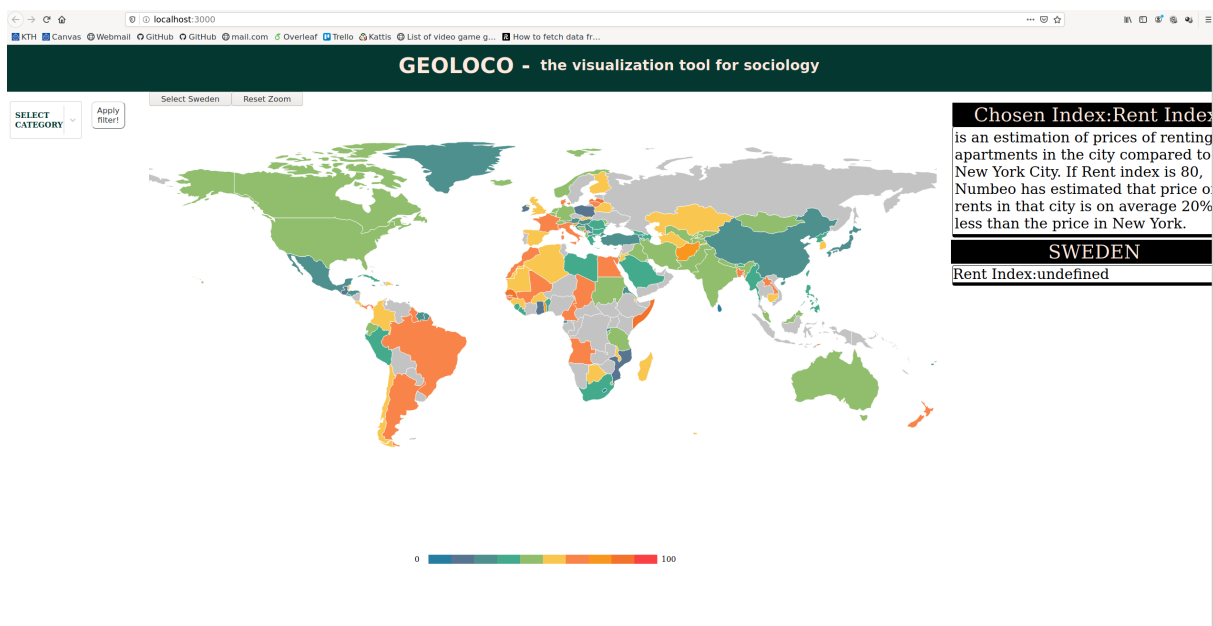
We wrote a guide of tasks that the user need to complete where the user will say their thoughts while performing the tasks. The guide was:

1. Start the web application.
 - (a) What do you see?
 - (b) What is this application about?
 - (c) What is the initial state showing?
 - (d) What parts do you think/expect are interactive?
 - (e) Anything else that is interesting or peculiar?
2. Try to interact with the application.
 - (a) What is happening?
 - (b) Is it interacting the way you expected or how different is it?
 - (c) Other comments on the application.

2. User Feedback

A paraphrased account of what was stated during the user evaluation.

1. Start the web application.



(a) **What do you see?**

A colorful map. It says Geoloco - the visualisation tool for sociology. Interesting! The side-bar says chosen index is Rent Index. What does rent index mean? Is it how expensive are rents in a given country. Why does it say Sweden in the sidebar? Some countries are grayed out, I believe this means that there is no information about these countries? There is a color bar! I assume red is bad and blue is good. The countries that are more redish must be countries where rents are expensive.

(b) **What is this application about?**

It seems to be about some sort of global data. Data that is related to sociology like like rents, salaries etc...

(c) **What is the initial state showing?**

Some sort of world view about a rent-index. And something about it not being available in Sweden.

(d) **What parts do you think/expect are interactive?**

I assume the map should be interactive. There is a reset zoom button so it is probably possible to zoom in the map. I believe also that I can change the index and chose other indexes than Rent. I believe it is the select category button. Maybe I can select countries also, but I'm not sure because there is a button that says select Sweden, and it looks like Sweden is already selected but I do not see any information which is particular to Sweden.

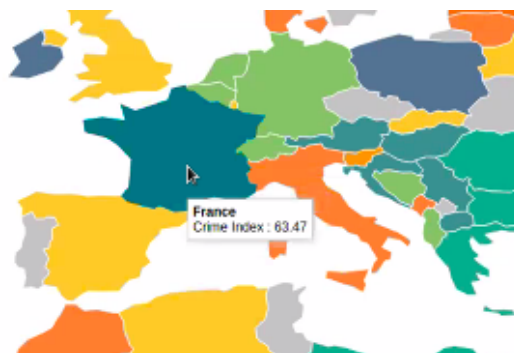
(e) **Anything else that is interesting or peculiar?**

Why are there so many gray countries? The side bar is not positioned nicely some of the letters are outside the screen.

2. Try to interact with the application.

(a) **What is happening?**

The user starts to move the mouse and notices the popup bubble when the mouse hovers on a country and how the country's color is highlighted. He then zooms in using the scroll wheel, and discovers that panning is also possible.



Strange! The hover is showing a value for the crime index although the side bar says "Chosen index: Rent index". It must be a bug!

The user tries to click on the country but nothing happens. Now, he clicks on the "Reset Zoom" button and the map zooms back.

He changes the Category and then clicks on the "Apply filter" button. The map is updated with new colors.

(b) **Is it interacting the way you expected or how different is it?**

Mostly yes! But the fact that clicking a country didn't make anything happen seemed to slightly disappoint the user. Also the user commented on the category selection method. He explained that it was annoying that he had to first select the category and then press apply filter. He said that this could have been done with a single action instead without the need of the apply filter button. Also the name choices were not consequent. He thought it was not clear that the button apply filter was related to the category selector.

(c) **Other comments on the application.** The user here complained about the scroll wheel. The scroll wheel did not work as he wished. some times he wanted to zoom in but instead the page started to scroll down, and when he wanted to scroll the page up again the map started zooming.

3. Improvements

- We noticed that the section about Sweden seemed confusing, especially since it didn't change when interacting with the website. It gave the user the impression of Sweden being selected when that was not the case. The information would also be redundant since hovering a country would show the same info. Therefore we removed this section entirely and added another section about explaining what the different indices meant.
- The user seemed slightly confused about the apply filter button. The user seemed to deduce that it have to do with the selector with different categories but seemed confused about the direct connection between categories and the filter. The use also pointed out it seemed a bit unnecessary to have to apply the filter after already having to select the category from the selector. Therefore we decided to remove the button in its entirety and make the re-rendering of a new category be triggered directly when the selector changed.
- The Select Sweden button was a button that we had used to try and implement a country view where you could look at the cities in each country. But due to complication with the main view and time constraints we were unable to implement this feature thus the button was removed all together.
- Given the general confusion regarding the zooming both in the map component and on the page itself we decided to make the application entirely single paged and disabled page scrolling. Thus, further focusing the users attention on the main map component and remove the confusion regarding the scrolling function.