

# Data Visualization project: Milestone 2

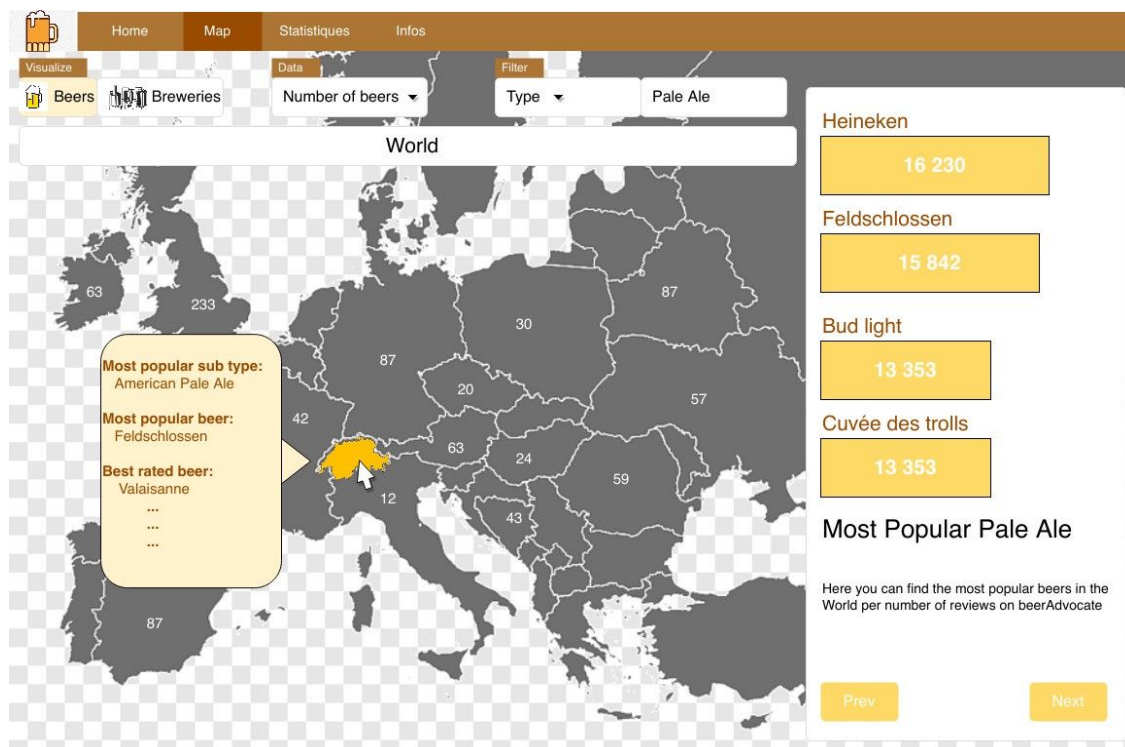
## 1. Project goal

We want to build a visualization tool that will help fellow craft beer enthusiasts find their next favorite craft beer ! We would like to provide our audience with an interactive platform which will allow him/her to discover locally crafted beers according to some specificity (e.g. country of origin, type...).

Using an interactive world map, a user can find out the most popular beer (or type of beer) in a specific country, find informations about a beer he just drank in a bar, etc. This could be very useful for a craft beer amateur in vacation that wants to discover the beer heritage of the country he's travelling in!

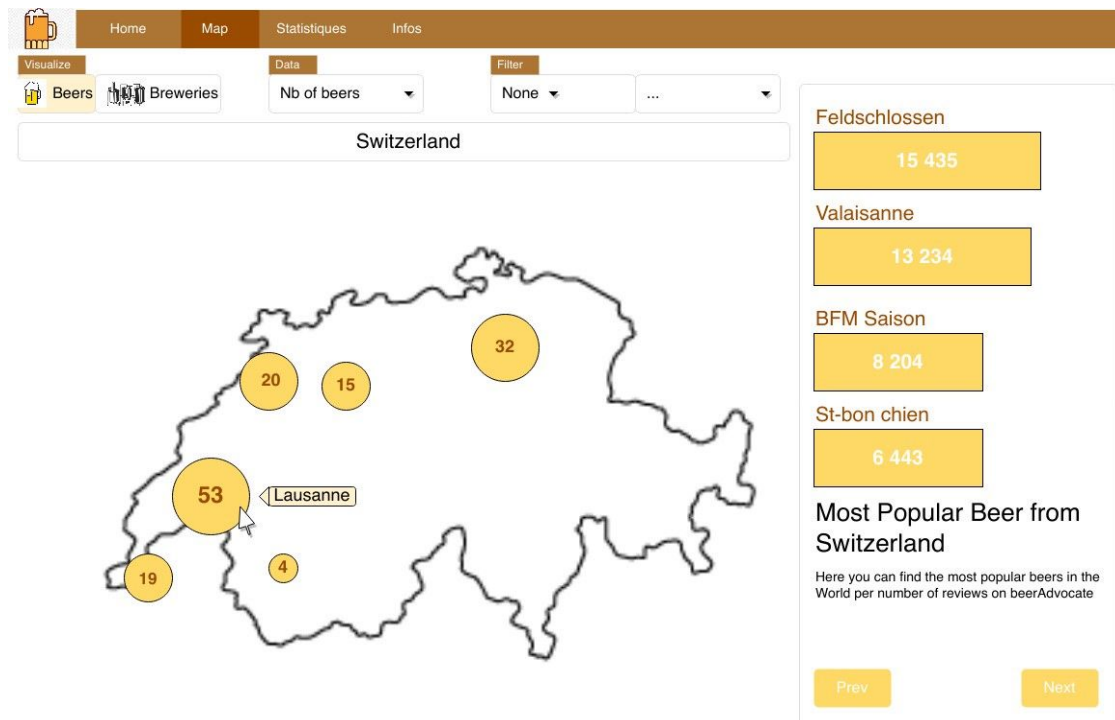
We contacted Satellite, as was suggested in the feedback for the first milestone, to obtain local data but we haven't heard from them yet.

## 2. Sketches of desired outcome



On a tab **Map**, we would like to have several possible filters, such as displaying stats about beers or breweries, displaying only stats about a chosen type of beer (Pale Ale on this example), what kind of data we want to display on each country (on this example it is the number of beer) etc. On the right side are general world stats for the chosen filter. For this example we have only Europe, but as we have data for the

whole world we want to be able to see the whole world and zoom in to region of interest. By hovering over a country, we want to display the top rated beers as well as the most popular beer etc.



By clicking on a country, we want to display the most popular or top rated beers per cities. On the right side, the world's general stats would be modified to the country's general stats. We can still modify the filters on the country's map.

We also would like in the **Statistics** tab to be able to search for a particular beer and get all the stats about it (number of reviews, International Bitterness Units (IBU), alcohol by volume,... )

### 3. Tools and lectures needed

For the map displays, we want to use D3.js and Leaflet.js. We also need to use the *Maps*, *Practical Maps*, *D3.js* and *More interactive D3.js* lectures. We also use the Mapbox library. For the colours and the stats we want to display we need to use the *Perception Color* and the *Do and Don't in viz* lectures. For the menu organization as well as the dropdown filters we used the Bootstrap library.

### 4. Extra Ideas

- Beer foam effect when hovering over a country
- Smoother animations