Objective

Let us cover geographic datasets! This class you are going to learn about implementing a choropleth chart. We are going to ask you to create the idioms presented in the video and extend the dashboard with a new visual idiom.

Requirements

Look at the list of videos that is published in the Lab Classes page in Moodle. You must watch the *Geo Tutorial* video. Implement both idioms (Choropleth Map and Scatterplot) from the *Geo Tutorial*.

Task

Each class shift has their own exercise. Check the list below to understand which exercise you must do.

- **VIL03**: Create a cleveland dot plot showing the femaleemployrate (red), hivrate (green), and internetuserate (blue) variables.
- **VIL04**: Create a mirrored beeswarm showing the incomeperperson (x), alcconsumption (radius), and lifeexpectancy (fill) variables.
- **VIL05**: Create a cleveland dot plot showing the suicideper100th (red), alcconsumption (green), and breastcancerper100th (blue) variables.
- **VIL06**: Create a mirrored beeswarm showing the femaleemployrate (x), lifeexpectancy (radius), and breastcancerper100th (fill) variables.
- **VIL07**: Create a cleveland dot plot showing the incomeperperson (x), alcconsumption (y), and hivrate (fill) variables.
- **VIL08**: Create a mirrored beeswarm showing the armedforcesrate (x), co2emissions (radius), and internetuserate (fill) variables.

Tasks to perform during the lab

The group will present the task in the laboratory to the professor. Each student in the group needs to attend the class to be granted the grade. **The professor will also ask each group member to complete an individual task.** These individual tasks will require each student to tweak the code presented to implement Task III. Keep in mind that the individual evaluation depends on the quality of the answers.