# Information Visualization

# CHECKPOINT III: Visualization Sketch

G15 - A

**1. Overview**

Overview of the visualization, including the different idioms, showing credibly how they are to work together...

Our visualization is based on an interactive map, where the user will be able to choose one or more countries from the EU, being able to explore information on those countries and making comparisons between them. This information will be obtained from idioms such as scatter plot, radar chart and nightingale rose chart.

The radar and nightingale rose charts will enable comparisons between countries and showing data by year.

**2. Visual Encoding**

Description of the visual encoding you have selected for each data type, describing for the different idioms, which attributes are represented by which marks/channels.

* Country (Nominal) – tag, position (on the map) and colour;
* Year (Ordinal) – position, tag;
* Metrics (Nominal, ordinal, ratio) – colour, position, slope and tag.

|  |  |  |
| --- | --- | --- |
| **Variable** | **Data Type** | **Visual Encoding** |
| “avg\_year\_income” | Quantitative |  |
| “percentage\_total\_expend” | Quantitative |  |
| “avg\_reading\_minutes” | Quantitative |  |
| “percentage\_pop” | Quantitative |  |
| “Year” | Quantitative |  |
| “Country” | Nominal |  |
| “Sex” | Nominal |  |

**3. Answering the questions**

Description of:

* How the idioms provide the means to answer to each of the questions.
* For at least one of the questions, a storyboard showing how several idioms must be used in tandem to provide its answer.