Information Visualization

Suicide Rates Overview 1985 to 2016
https://www.kaggle.com/russellyates88/suicide-rates-overview-1985-to-2016

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The Dataset

Suicide cases of various countries throught the years

Country	year	sex	age	suicides	population	suicides per 100k pop	GDP	GDP per cap	HDI
Albania	1987	Male	15-24	21	312900	6.71	2,156 M	796	-
Albania	1987	Male	35 -54	16	308000	5.19	2,156 M	796	-
Albania	1987	Female	15-24	14	289700	4.83	2,156 M	796	-
Albania	1987	Male	75 +	1	21800	4.59	2,156 M	796	-
...	...	...	...	...	...	...	...	...	...

Users

Users:

1. Historians
2. Analysts of a given country or international organizations
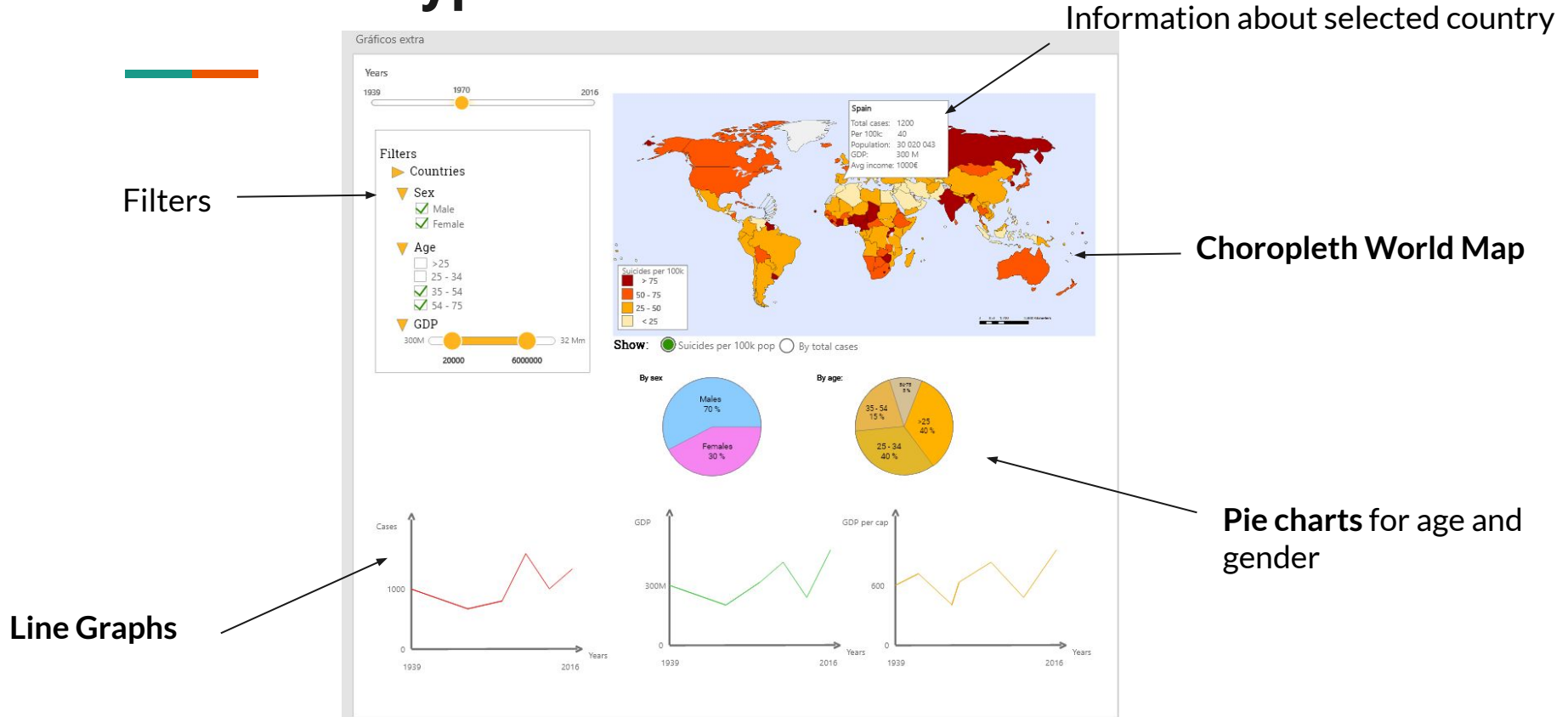3. Students or anyone trying to retrieve information about the topic
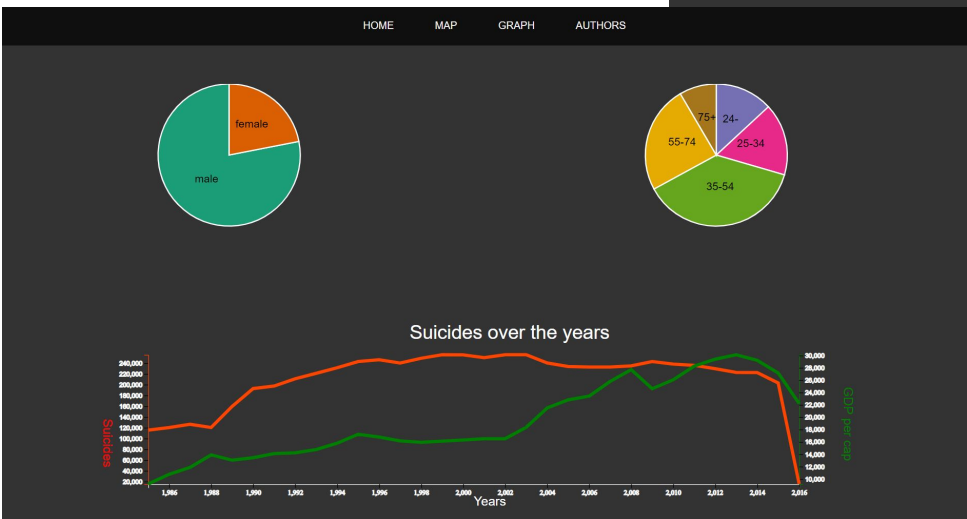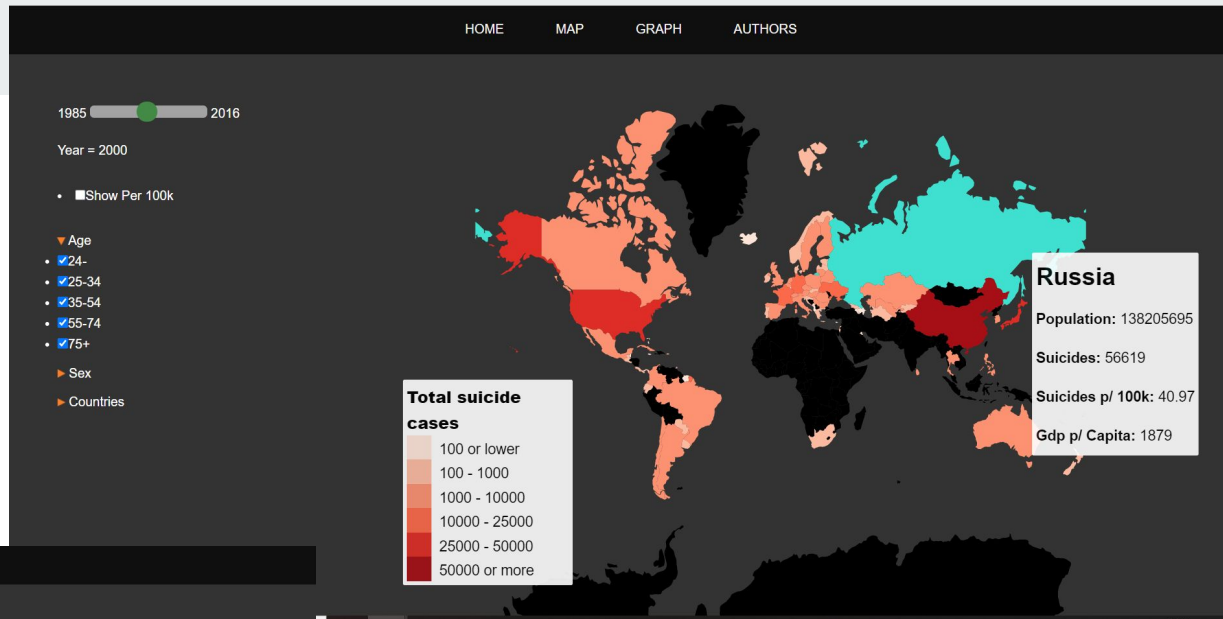
Use cases

What is provided:

- See the evolution of suicides cases over the years and discover if a given country is doing a good job diminishing suicide rates.
- Learn if important events/dates have an effect on the number of cases.
- Have a general idea on the worst/best countries regarding this issue.
- Discover if people of a certain age and/or sex have a higher chance to commit suicide.
- See if a correlation exists in GDP of a country and the number of cases.

The Prototype

Information about selected country

Filters

Choropleth World Map

Pie charts for age and gender

Line Graphs

Resultado

Improvements to be made

- Zoom in points already defined when continents are selected and/or ability to select a country through a search bar (to make search for small countries easier)
- Better use of colors and improvements on the overall look and feel of the filters
- Tidying the position of the visualization elements to improve user experience
- Implementation of the GDP filter
- Ability to hover-over the pie charts and show the number and percentage of cases