Dashboard   Name: Kyra Kieskamp stnr: 10099727

Data

The data used is from the databank worldbank, and encompasses the total labor force for each country for 10 separate years. Additionally, it contains the percentages of the total labor force that have a solely primary, or also secondary and tertiary education.

Story

The story I want to tell with my data is to see the differences between the total labor force in countries. Additionally, I would like to show the user how the labor force is made up in each country. And then the user can see the differences by clicking on the various countries and seeing the bar chart change.

Design Process

The year 2012 was chosen to start with, as the total labor force for most countries was known, and a decent amount of primary, secondary and tertiary education information was also available. Unfortunately the other years were not taken into account with an extra visualization, due to time constraints.

The total labor force for each country is shown in the world graph, when one hovers over a country with the mouse. The differences in total labor force for countries in the world is shown by different shades of purple, with low total labor force a light shade and higher labor forces darker shades.

If the user clicks on a country, a bar graph of the percentages of the total labor force that have a solely primary, or also secondary and tertiary education is shown. This only happens when all the data is available, otherwise the bar chart will remain empty. The bar chart was chosen as percentages of three different type of education were shown, and for comparison with other countries, they needed to be shown separately in a bar. The color of the bars in the bar chart is the same as the color of the country in the country map, if the user hovers/clicks on this country. This is done to create similarity between the country in the graph and the bar chart of that country.

Unfinished Design

The further, but unfinished, implementations were showing a popup of the exact percentages, when one would hover over the bar graph. And those percentages would stay fixed if the user would click on the bar graph.

Also an added interactivity would be to have all the information for different years, and to have a slider in the left upper corner to change through the various years.