

ARTG5330

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Final Project Writeup

Project link: <https://liu742.github.io/FinalProject/index.html>

Introduction:

My project name is “Those girls who left school”, this project is dedicated to providing data related to female education worldwide, examining current statistics, and exploring the various factors that influence these numbers. Empowering girls through education is crucial for promoting gender equality, reducing poverty, and fostering sustainable development. By presenting this data, the goal is to raise awareness and inspire action to make a lasting impact on the lives of girls and women everywhere.

The questions I want to address are: What is the current situation of female education globally? And which factors impact women's access to education?

I have used data from the World Bank, which includes datasets on primary school enrollment rates, secondary school enrollment rates, expected years of school, and mean age at first marriage. Additionally, I have incorporated data from the World Bank report titled “COUNT ME IN! World Bank Education: Improving Education Outcomes for Girls and Young Women.”

Method:

1. Chart.js was used as the main visualization tool to create three interactive charts.

Line and bar charts with hover labels were chosen for their ability to display data clearly and intuitively while providing viewers with extra information.

2. In some sections, a scrollytelling narrative approach was used. By using scrollytelling, viewers are encouraged to scroll through the charts one by one, allowing for a better understanding of the data and guiding them through the exploration of charts in the intended order (i.e., the order of key findings discovered during data analysis).
3. Regarding the overall website design, efforts were made to create a clean, clear, and user-friendly style. Most colors used are low-saturation bright shades, with buttons and image borders featuring simple black and white colors. In the final scrollytelling poster section near the conclusion, more vibrant colors and larger fonts were used to make a lasting impression on viewers.

Discussion & Future Work:

1. Expanding Data Scope: Incorporating a more comprehensive range of education data across various stages allows for a systematic reflection of the challenges women may face at different educational levels. While the current analysis primarily focuses on the educational challenges faced by women in low-income regions, future considerations could include the "glass ceiling" effect in developed countries, such as the representation of women in STEM fields. Additionally, plans to include more factors related to female education, such as income and women's professional fields, aim to expand on the initial considerations not fully explored in the current analysis.
2. Increased Focus: As mentioned previously, this data analysis concentrates on the

educational challenges experienced by women in low-income regions. Although a broad and comprehensive analysis of relevant data was initially envisioned, it became apparent that delving deeper into specific themes might be a better approach. In the future, the focus may shift towards a topic of interest, such as "child marriage" or "gender equality in law," for a more detailed investigation.

3. Responsive Design: Enhancing the user experience across different platforms by optimizing the webpage for mobile devices, especially for those using scrollytelling.

Sources:

1. School enrollment rate: <https://genderdata.worldbank.org/indicators/se-sec-enrr/>,
<https://genderdata.worldbank.org/indicators/se-prm-enrr/?grossNet=Gross>
2. Mean age at first marriage: <https://genderdata.worldbank.org/indicators/sp-dyn-smam/>
3. Expected years of school: <https://genderdata.worldbank.org/indicators/hd-hci-eyrs/>