

ASSIGNMENT:

Part I: Preliminary work

Directions: Watch the following videos to understand the context

- [200 years that changed the world \(with Hans Rosling\)](#)
- [Hans Rosling's 200 Countries, 200 Years, 4 Minutes - The Joy of Stats - BBC Four](#)

Part II: Project directions

You are to use either the [Gapminder](#) data or the [Dollar Street](#) data (if you don't know what those are or how to use them, go back up to Part I and WATCH THE explanation videos to extract data and tell a cogent story. And no, I am not giving any more details on what story you need to tell, part of this project is you telling the story you WANT to tell not the story you think I EXPECT you to tell. I also will not tell you how much data to collect, you have to decide that on your own. If your data don't tell you a story, or if it is biased, you don't have enough data.

REQUIREMENTS:

- 2-5 pages, double spaced, 11 pt font.
- An appendix containing an explicit explanation of how you extracted the data. That is, I should be able to follow your steps and replicate your exact data. If I can't, I WILL NOT grade your project. This does not count in the 2-5 page limit.
- An appendix with a spreadsheet of your data. This does not count in the 2-5 pages
- Your story should have at least one graph that YOU create, i.e. **NOT A SCREENSHOT OF GAPMINDER**. This must be from one of the types learned in chapter 1 (histogram, boxplots, scatterplots). You may use R or excel to create your graph. **IMPORTANT:** The graph should ADD to your story and not just be some disconnected fact to meet this requirement.
- At least one numerical metric that we have learned in this class. Examples: mean, median, probability, standard deviation, 5 number summary, etc. **IMPORTANT:** The metrics you choose should ADD to your story and not just be some disconnected fact to meet this requirement.