Project B Pre-work Discussion Questions

A. How fast is the global access to electricity growing?
    a. Between 2000 and 2021, the proportion of the world's population with access to electricity rose from 78% to 91%. But it is only expected to rise from 91% to 92% by 2030.
B. Which regions saw the largest growth in access to electricity?
    a. South Asia and Sub-Saharan Africa
C. How does living in the urban vs. rural areas correlate to access to electricity?
    a. About 80% of people who don't have access to electricity live in rural areas, while the rest are in urban areas.
D. Which data is used to gain insights on where people without access to electricity live?
    a. Nighttime satellite images can easily show spots where there is or isn't electricity, especially in places where surveys cannot be conducted.
E. How does MTF quality of access to electricity in a household?
    a. MTF assesses the quality of access to electricity based on certain requirements for capacity, quality, affordability, reliability, and safety.
F. What is the environmental trade-off for higher-tier access to electricity?
    a. Greenhouse gas emissions have increased along with increased access to electricity.
G. Which regions had the most environmentally sustainable efforts to increase access to electricity? Which regions had it the worst?
    a. Latin America has sustainable efforts to increase access to electricity, while East Asia & Pacific and Middle East & North Africa are increasing access but unsustainably.

H. Which is the fastest-growing renewable source of electrical energy in the low-income countries? What should be considered when planning for this method of power generation?

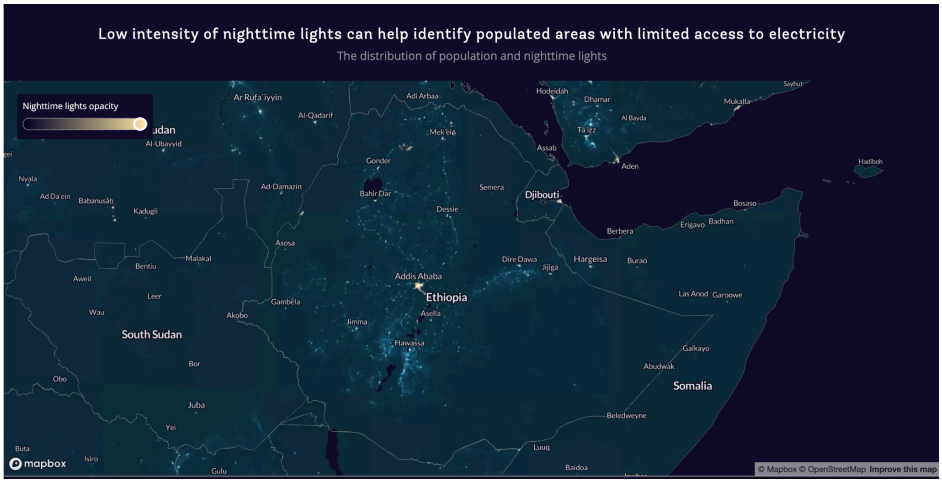
   a. The fastest-growing source of renewable energy in low-income countries is Hydropower. Water surface flows need to be considered when planning for hydropower generation.

I. Was this presentation an effective storytelling with data? Why, or why not?

   a. I think it was in certain areas, there was a lot of text that I noticed myself skipping over to look at graphs rather than the words. I did like that the graphs were easy to understand most of the time.

J. Which data visualization from the presentation was most appealing to you? Insert a screenshot and explain why.

   a. I liked the nighttime map visualization of lights to show electricity, it is a very effective visualization to show where there is and is not electricity.



K. Which data visualization from the presentation was least appealing to you? Insert a screenshot and explain why.

a. I didn't like the graph depicting greenhouse gas emissions alongside the proportion of the population with access to electricity. Without the text on the side, it was a bit confusing to understand.

b.