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Community Action Computing

Project B Pre-Work and Reflection Task

A. How fast is the global access to electricity growing?

It is growing slowly. Within 5 years, it will only grow by 1%.

B. Which regions saw the largest growth in access to electricity?

Based on the graph, it appears that South Asia saw the largest growth in access.

C. How does living in the urban vs. rural areas correlate to access to electricity?

Out of those who lack access to electricity, a large majority of these people live in rural areas (80%).

D. Which data is used to gain insights on where people without access to electricity live?

Nighttime satellite images show which areas are dark at night.

E. How does MTF assess the quality of access to electricity in a household?

By considering all the factors of capacity, quality, affordability, reliability, and safety.

F. What is the environmental trade-off for higher tier access to electricity?

More greenhouse gases are released if electricity comes from a non renewable source.

G. Which regions had the most environmentally sustainable efforts to increase access to electricity? Which regions had it the worst?

Most sustainable: (least greenhouse gas per capita) Sub-Saharan Africa

Least: (most greenhouse gas per capita) North America, Europe, Central Asia

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?

Hydropower is the fastest growing renewable source of energy in these countries.

“Surface water flow” should be considered.

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

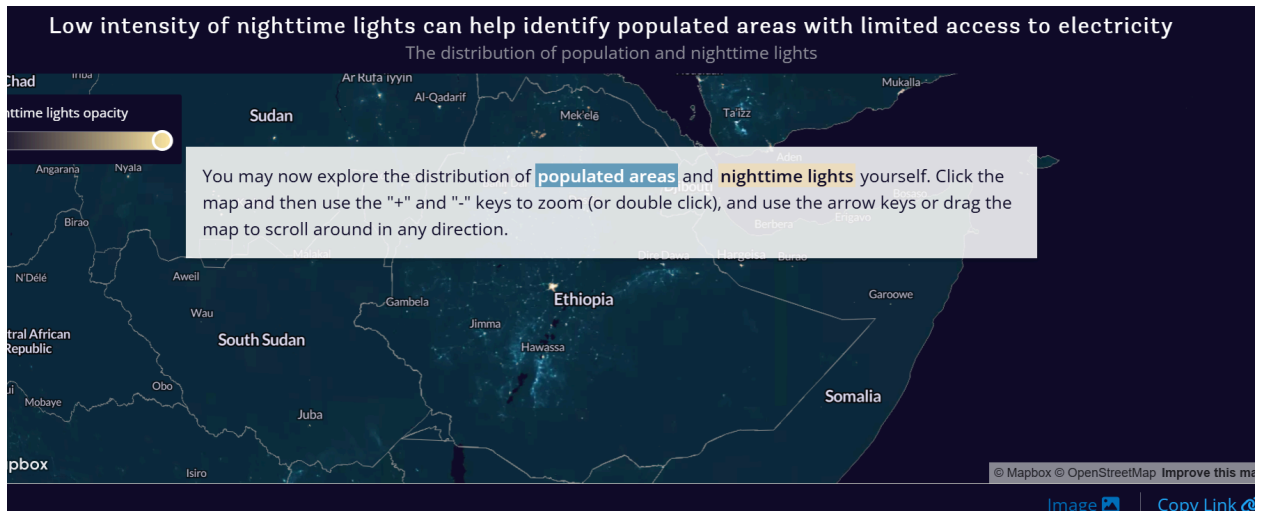
Yes. Through the mixture of article text, data presentation, and interactive elements, it was a comprehensive display of electricity access and implications throughout the world.

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



I like this one. It was a good summarizing introduction graphic that clues the user the kind of information that will be explored. The colors are appealing, and the output is clean and simple. It's interactive, but the user still gets an idea of the information just at a glance.

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



I was not a fan of this portion with scrolling text boxes, even though it is similar to my favorite data display. I think it is a creative and interesting way to guide the user through the data, but the design itself felt cluttered and overwhelming to me. It felt like cognitive overload to see multiple lengthy text boxes appear in the middle of the screen when I was just trying to scroll.