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CS 150 - Community Action Computing

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Questions and Discussions

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

- a. Not fast at all. In fact very slow. Ex: expected to rise from 91% to 92% from 2021 to 2030

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

- a. South Asia, Sub-Saharan Africa

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

- a. People living in rural areas tend to not have access to electricity compared to those living in urban areas.

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

- a. Nighttime lights captured by Satellites

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

- a. Electricity must meet certain requirements such as capacity, quality, affordability, reliability, and safety for households to fully enjoy the benefits of being connected.

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

- a. Moving into higher tiers of electricity access will depend on the affordability and availability of grid and off-grid sources. This may come at a higher cost and generate more greenhouse gases unless growth comes from renewable sources.

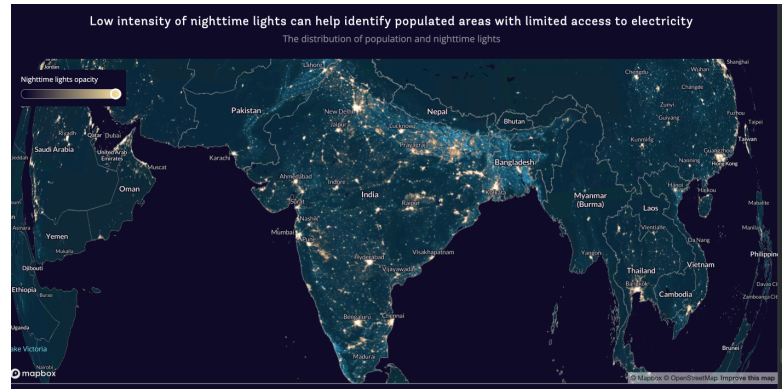
G. Which regions had the most environmentally sustainable efforts to increase access to electricity? Which regions had it the worst?

- a. Most environmentally friendly: China, India, South Asia
- b. Worst environmentally friendly: North America, Europe, Central Asia

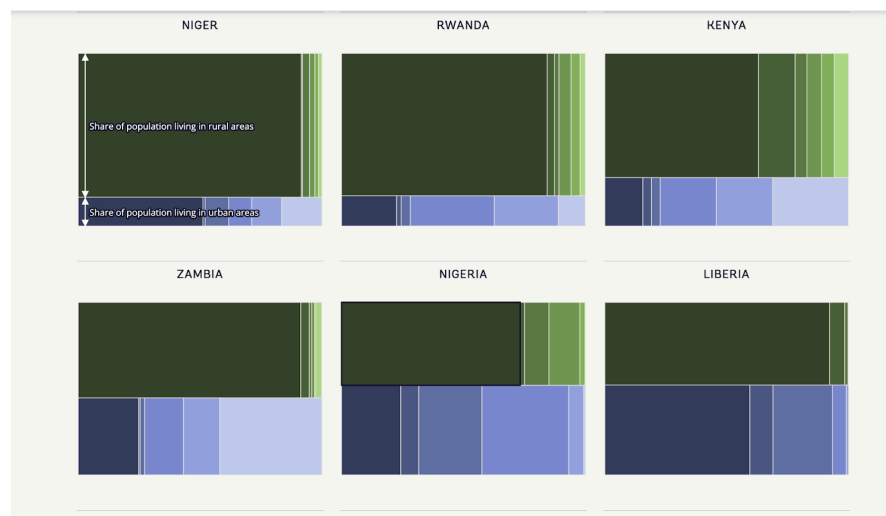
H. Which is the fastest-growing renewable source of electrical energy in low-income countries? What should be considered when planning for this method of power generation?

- a. Rwanda, Ethiopia, Uganda
- b. Weather conditions

- I. Was this presentation an effective storytelling with data? Why, or why not?
- a. Yes, the visuals, statistics and explanations were clear.
- J. Which data visualization from the presentation was most appealing to you? Insert a screenshot and explain why.



- a.
- b. We picked this, because it is unique, simple, and not too busy
- K. Which data visualization from the presentation was least appealing to you? Insert a screenshot and explain why.



- a.
- b. This visualization was unclear and contains busy colors.