

The background is a stylized illustration of a natural landscape. In the foreground, there are several dark green, coniferous trees. Behind them are rolling hills and a range of mountains in various shades of teal and blue, creating a sense of depth. The sky is a light, pale yellowish-green. Two birds are depicted in flight: one on the left, facing right, and one on the right, facing left. The overall style is minimalist and artistic.

An Evergreen Planet: Preserving our World's Natural Forests

Kevin Huang Christine Zhang Jesse Zhang

Idea: Deforestation

- Forests produce essential oxygen, materials, and habitat for the survival of species on Earth.
- Between 2000 and 2012, only 2.4 million square miles of the original 6 million square miles of forest covering the Earth remain.
- Many functions of forests have no apparent economic value to their owners, and so they are quickly converted for profit.

Goals

- Raise awareness of deforestation and its alarming rates in different regions of the world
- Present viewers with important information different time periods, geographic regions, and socioeconomic levels to send message
- Discover trends to determine where to focus in order to have the most impact
- Provide a clean and elegant design

Tasks

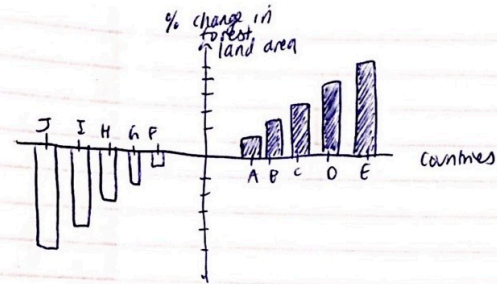
1. Individually focus on creating own visualizations first (1 for each person)
2. Merge codes together on Github and make sure there are no compatibility issues
3. Factorize overlapping functions used in separate visualizations
4. Create website template and containers
5. Insert visualizations and text information into the already created containers
6. Stylize the website using CSS
7. Optimize efficiency of visualization generation
8. Add additional visualizations as needed
9. Fix any outstanding bugs
10. Get feedback from peers
11. Implement advice given by peers
12. Finalize website design

Data

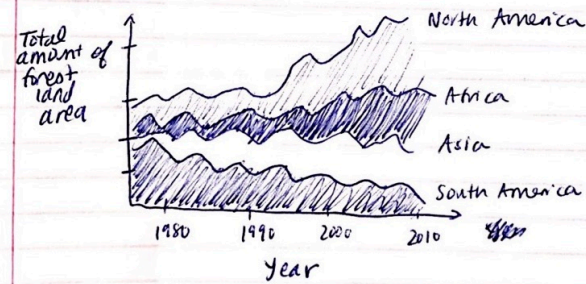
- The **World Bank dataset** consists of annual data from 1990 to 2015 of the percentage of forested land broken down by countries, continents, and socioeconomic levels.
- The **Mongabay dataset** covers gross forest loss to measure the rate of deforestation.

Sketch 1

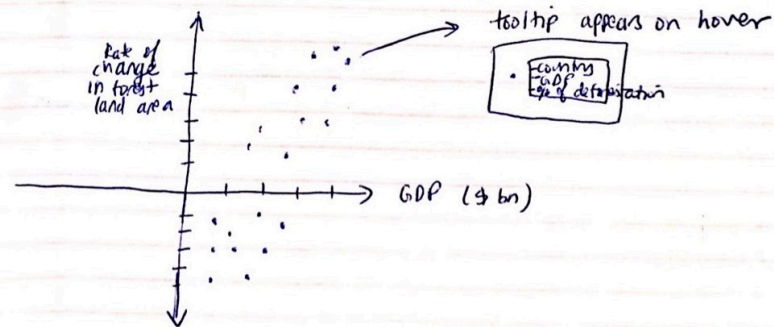
Countries with Fastest Rate of Deforestation
vs. rate of fastest forest growth



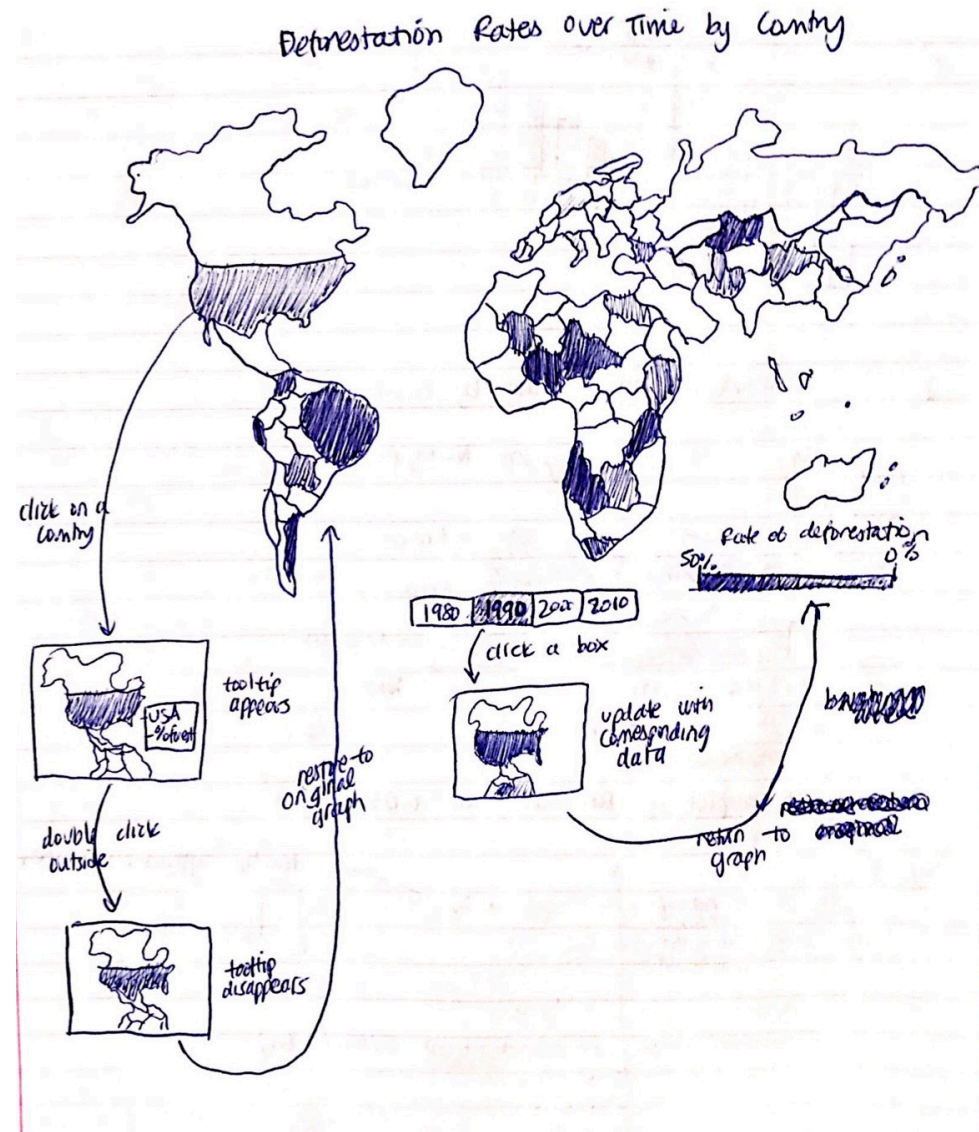
2. Timeline of forest volume by country



3. Scatterplot of Deforestation vs. GDP



Sketch 2



Sketch 3

