Diagram

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| Story Board | Description |
| Background | Climate change is one of the greatest battle the world is fighting right now. Climate change has caused great biodiversity loss, droughts and extreme weather events that have claimed the lives of many. Deforestation is one of major causes of climate change. |
| Analysis | In Singapore, many of us are privileged to live in an area free from climate-induced natural disasters. We also live in a very small area compared to the rest of the world and we might face myopia when it comes to seeing the impacts of deforestation and the vast extent of it. Therefore, this project aims to educate mainly Singaporeans on the extent of deforestation globally, the causes and the effects of deforestation, via interactive data visualisation. |
| Recommendation | While there is definitely an increase in concern towards environmental issues nowadays, more action can be done. Many individuals show concern about these issues but are not taking active initiative to play their part in this battle. Companies and countries also are “all talk and no action”. They set high and ambitious goals but in fact do not carry them out. There is also a rise in the term “greenwashing” where firms are not transparent with their sustainability goals and are simply doing it for the sake of pleasing stakeholders and the people. |
| Data | Reduction of forests over the years + share of deforestation:   * + <https://fra-data.fao.org/assessments/fra/2020/WO/home/overview>   + <https://ourworldindata.org/deforestation>   + <https://ourworldindata.org/drivers-of-deforestation>   causes of deforestation:   * + <https://www.worldwildlife.org/magazine/issues/summer-2018/articles/what-are-the-biggest-drivers-of-tropical-deforestation#:~:text=Beef%20production%20is%20the%20top,and%20fourth%20biggest%20drivers)%20combined>   + <https://research.wri.org/gfr/forest-extent-indicators/deforestation-agriculture>   data is mainly coming from data already collated and filtered from various websites such as ourworldindata.  Visualisation:  Diagram  Description automatically generated |
| Problem Statement | What is deforestation, and why should I (audience) care? |
| Findings | Deforestation has caused significant impacts on the environment, people and biodiversity.   * Up to 15 billion trees are now being cut down every year across the world. * Since 1990, the world has lost more than 420 million hectares or about a billion acres of forest, mainly in Africa and South America. * About 17 percent of the Amazonian rainforest has been destroyed over the past 50 years. * Destruction of the Amazon rose by 21 percent in 2020, a loss the size of Israel. * Eighty percent of Earth’s land animals and plants live in forests, and deforestation threatens species including the orangutan, [Sumatran tiger](https://news.nationalgeographic.com/2017/12/palm-oil-sumatran-tigers-extinction-big-cats-animals/), and many species of birds. Deforestation could lead to mass extinction events. * There are some 250 million people who live in forest and savannah areas and depend on them for subsistence and income—many of them among the world’s rural poor * Forest loss and damage is the cause of around 10% of global warming |