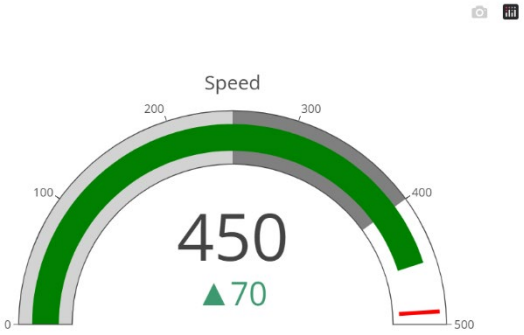
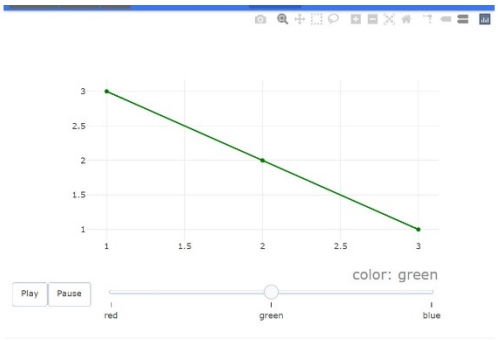
Project 3 – WA Bush fire Analysis by Jingbo Zhao & Ge Shen

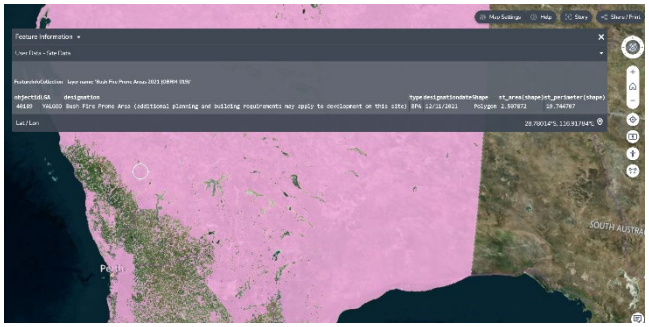
This project aims to analyze the relationship between Western Australia bush fires and two key environmental factors: tree species distribution and sunlight radiation.

1. Using data on tree species distribution and quantity, the project will create charts to investigate the potential correlation between the prevalence of flammable tree species and bush fires.
2. Additionally, data on sunlight radiation distribution will be used to create charts to investigate the correlation between sunlight radiation and bush fires.
3. Through using government databases, the project will create a map visualizing the distribution of bush fires in Western Australia, identifying high-risk areas and informing future prevention and mitigation efforts.

By investigating these environmental factors, this analysis aims to contribute to our understanding of the causes of bush fires in Western Australia and inform future prevention and mitigation efforts. This research has the potential to provide valuable insights for helping to reduce the environmental impacts of bush fires in Western Australia.




**Sketch of Final design**

The final design will be a web-based platform featuring interactive visualizations of tree species distribution, sunlight radiation, and a bush fire distribution map. The design will be visually engaging and user-friendly, allowing users to explore the data in detail and identify high-risk areas and a slider line chart or gauge graph will be included to demonstrate the solar radiation by location. Also to inform future prevention and mitigation efforts and reduce the impacts of bush fires in Western Australia.

Primary Git hub Repository:
https://github.com/Jingboz/DataAnalyticsProject_3.git