



BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL INSTITUTE OF TECHNOLOGY
(Empowered Autonomous Institute Affiliated to University of Mumbai)
[Knowledge is Nectar]

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DIV	BE COMPS A BATCH G
ADV EXP 6	

AIM	Design Interactive Dashboards and Storytelling using using Power BI or Tableau on the dataset - Animal / Wildlife / Marine
Dataset Particulars	<p>Name: Wildlife Threat</p> <p>Link: https://www.kaggle.com/datasets/vineethakkinapalli/united-nations-environment-dataset?select=Threatened+Species.csv</p>
Dashboard	<p>The dashboard, titled 'Wild Life Analytics - A Report On Observations Across India', features a sidebar with a search bar and a list of Indian states and union territories for selection. The main content area includes four visualizations: 1) 'Count of species by year' (line chart, 1800-2000), 2) 'Count of species by state' (horizontal bar chart), 3) 'Count of species by month and state' (line chart, 1247 total species), and 4) 'Count of species by locality' (area chart). The 'Count of species by year' chart shows a sharp increase starting around 1950. The 'Count of species by state' chart lists states like West Bengal, Arunachal Pradesh, and Uttarakhand. The 'Count of species by month and state' chart shows fluctuations across 12 months for various states. The 'Count of species by locality' chart shows a general downward trend across different localities.</p>

Analysis

World Map Visualization :

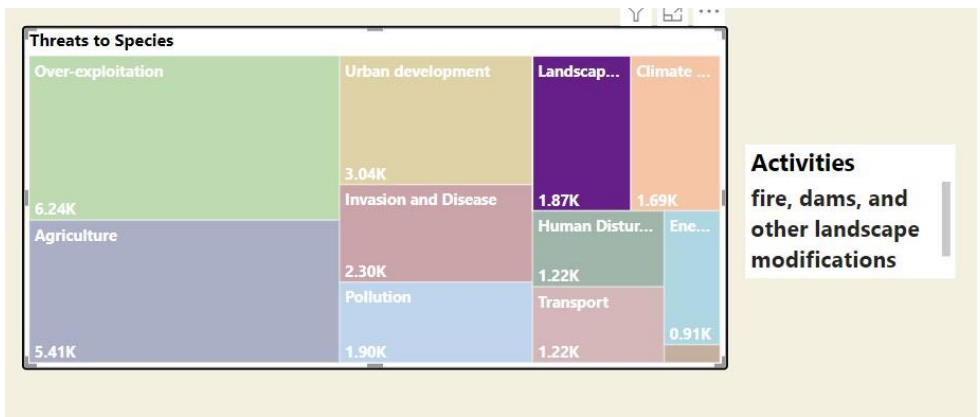
Count of species per Country Map :



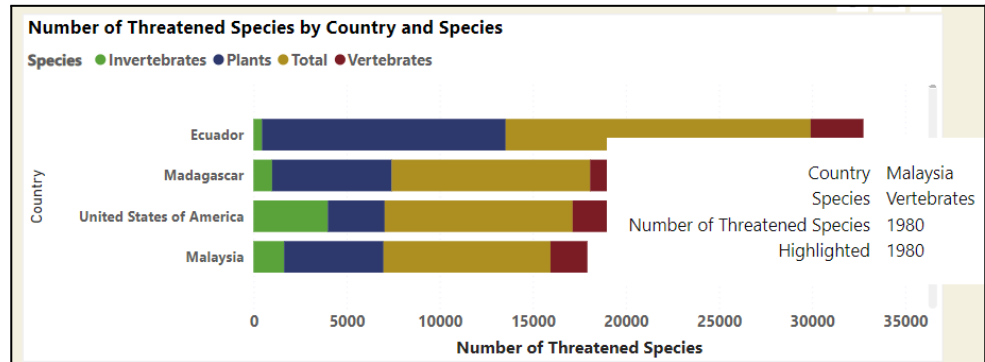
SpeciesCountByRegion = COUNT(shortened_species[Species])

Tree Map :

Reasons for Wildlife Vulnerability :



Stacked Bar Graph



- 1) OverExploitation is the reason for which maximum species are threatened
- 2) This is due to a variety of reasons such as hunting, fishing, logging and gathering plants
- 3) Ecuador and Madagascar are the two nations which have max Threatend species
- 4) As these are among the underdeveloped nations , we can infer , nations which are underdeveloped face most exploitation
- 5) The reason of exploitation can be
 - a) housing, industry, and tourism infrastructure
 - b) fire, dams, and other landscape modifications
 - c) arable farming, livestock, timber plantations and
 - d) roads, rail, shipping lanes, service lines constritin
- 6) Due to these , species face exploitation

Conclusion

By performing this experiment I learnt to use DAX queries in PowerBi