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Batch: D

Class: CSE(AI & ML)

EXPERIMENT NO: 6

Design Interactive Dashboards and Storytelling using using Power BI or Tableau on the dataset - Animal / Wildlife / Marine

Aim:

Design Interactive Dashboards and Storytelling using using Power BI or Tableau on the dataset - Animal / Wildlife / Marine

Objectives:

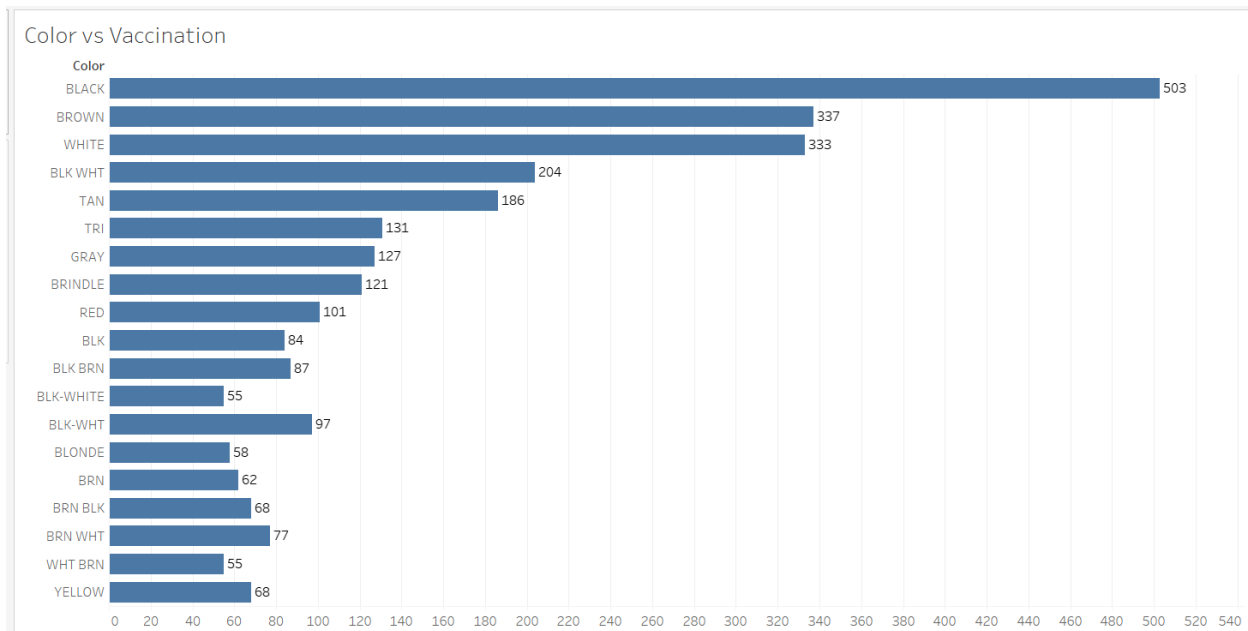
- 1. To create visually appealing and interactive dashboards that provide insights into the dataset.**
- 2. To explore the distribution, trends, and relationships within the dataset using various types of visualizations.**
- 3. To enable data-driven storytelling by highlighting key patterns, anomalies, and correlations.**

Dataset:

<https://www.kaggle.com/datasets/rtatman/animal-bites>

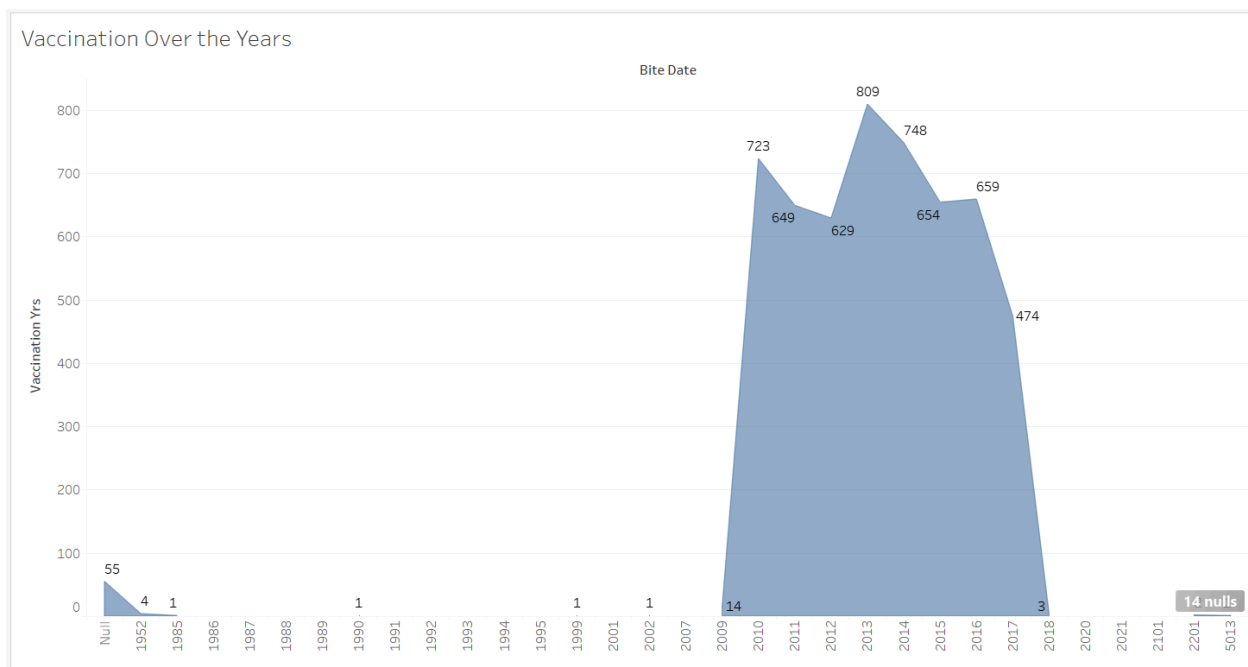
Visualization:

- 1. Bar Chart:**



The above is a bar chart for the color of the animal vs the vaccination it received.

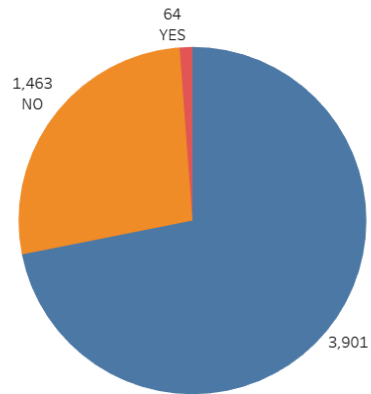
2. Timeline Chart:



The above is a Timeline chart for the number of vaccine received over the years. We can see that the data is limited from 2009 to 2018 and all other values are just null values.

3. Pie Chart:

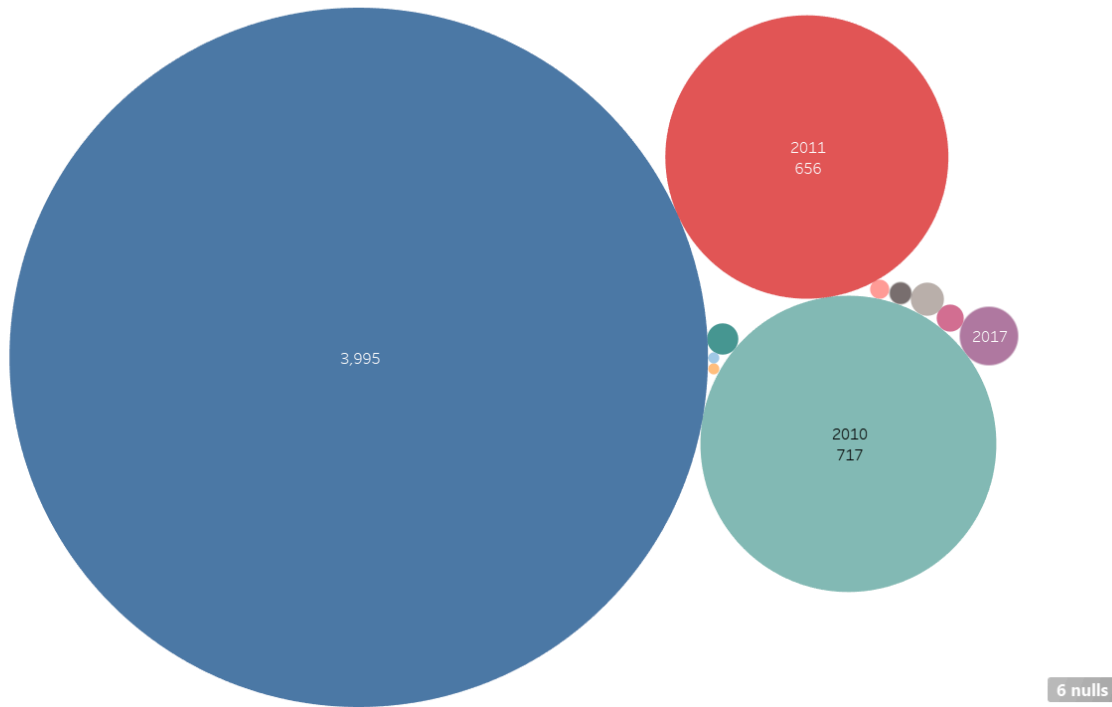
Advised Issued by last Vaccination date



The above chart shows whether the animal received advice after vaccination. We can see that 64 animals received advice and 1463 animals did not receive advice.

4. Bubble Chart:

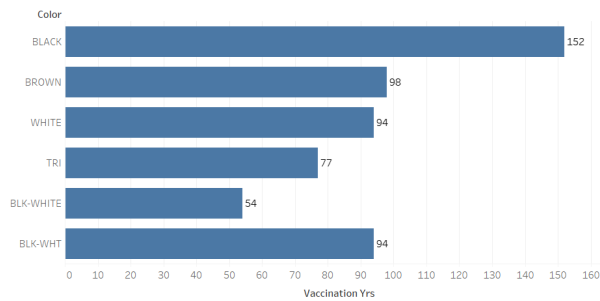
Quarantine over the Years



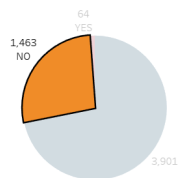
The above chart shows the count of animals that were under quarantine after receiving a vaccination. We can see that in 2011 there were 656 animals quarantined.

5. Dashboard:

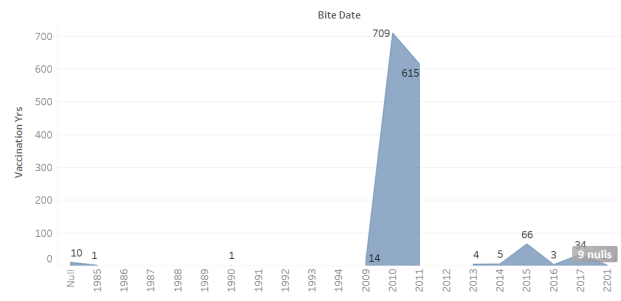
Color vs Vaccination



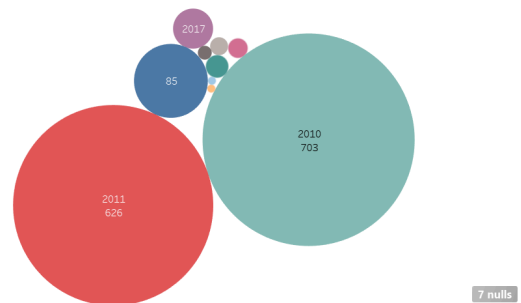
Advised Issued by last Vaccination date



Vaccination Over the Years



Quarantine over the Years



The above dashboard shows only the stats of the animals which didn't received any advice after vaccination.

6. Dashboard Link:

https://public.tableau.com/app/profile/omkar.shirwadkar/viz/OMKAR_SHIRWADKAR_2021600062_06/Dashboard1?publish=yes