Bharatiya Vidya Bhavan's

**SARDAR PATEL INSTITUTE OF TECHNOLOGY**

# Advanced Data Visualization

## Experiment no. 6

**Submitted To**

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**Submitted By**

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## 1. Dataset

Can view the dataset here

https://github.com/dmo-27/ADV_experiments/blob/main/Animal%20Dataset%20Cleaned.csv

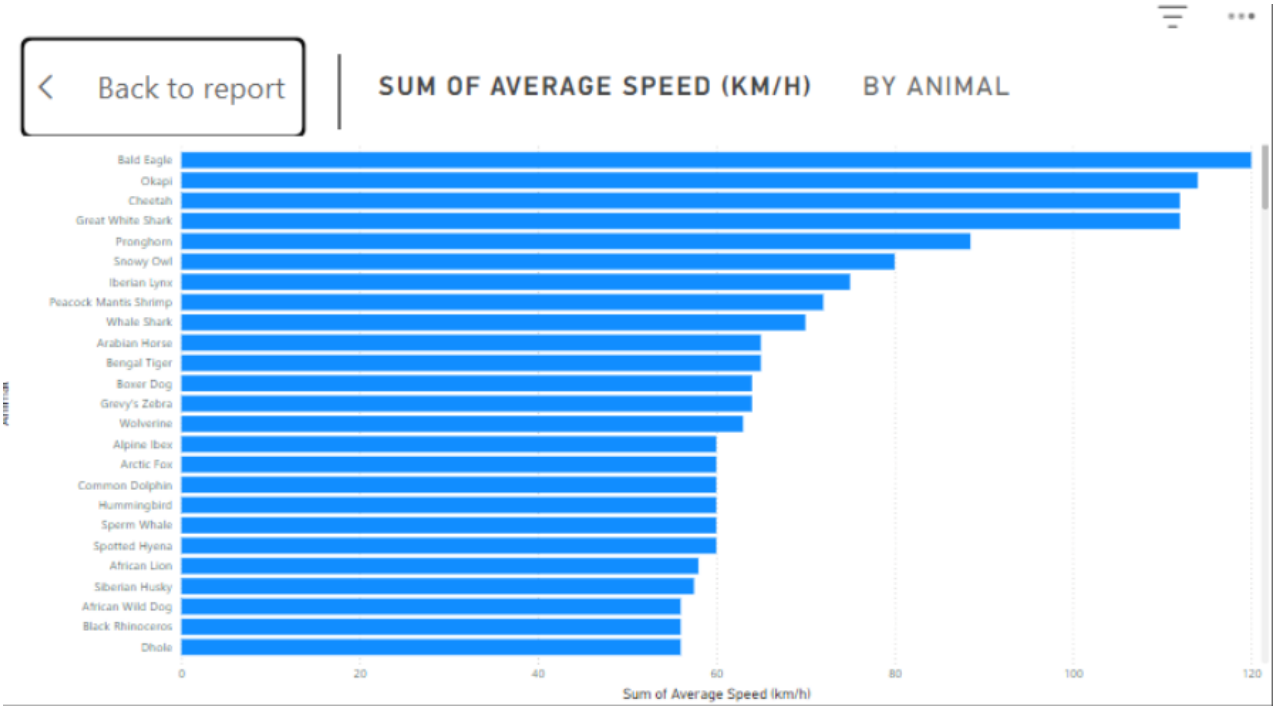
## 2. Description

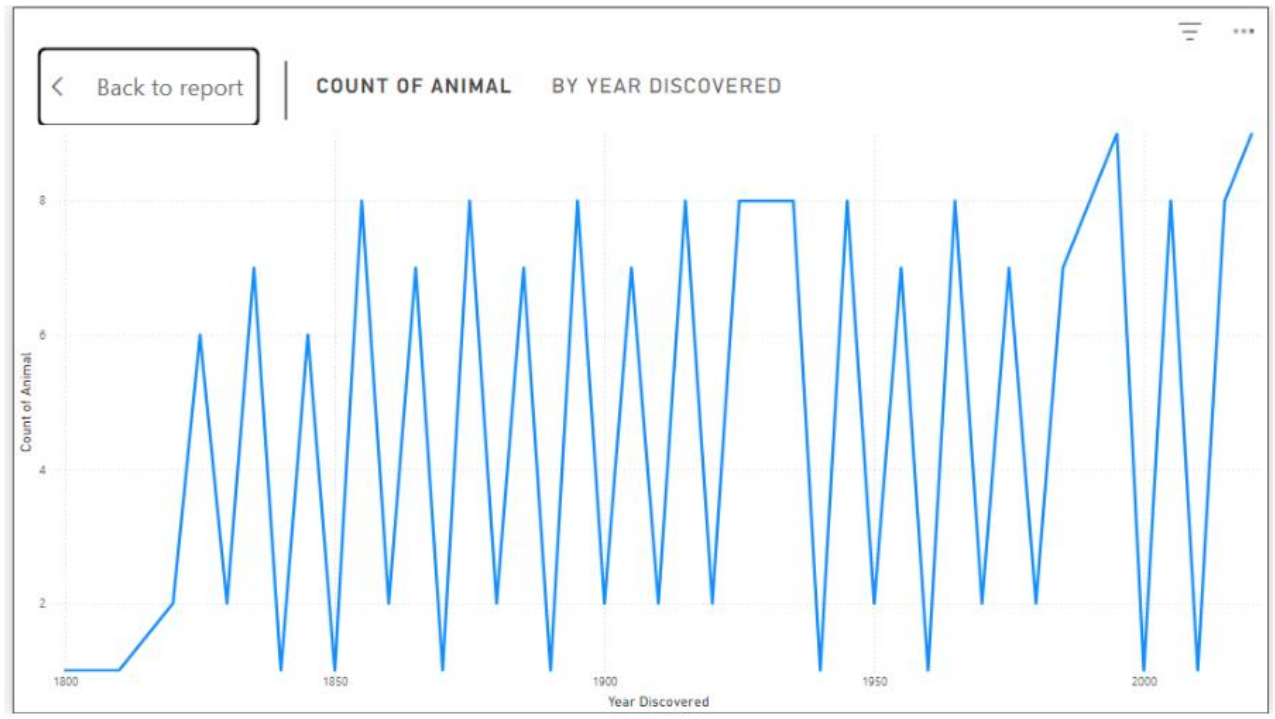
The Animal Dataset Cleaned contains structured information on various animal species, tailored for machine learning applications. It has been preprocessed to remove inconsistencies, missing values, and redundancies, providing a standardized and clean dataset for analysis and modeling tasks.

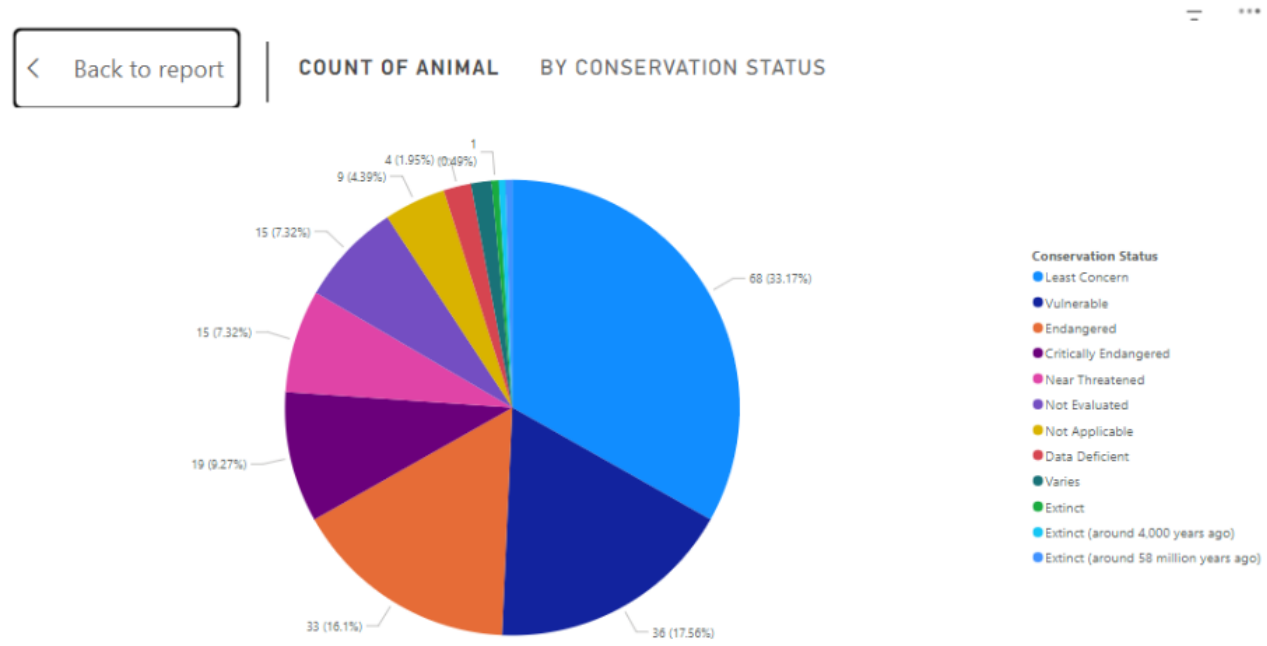
## 3. Metadata

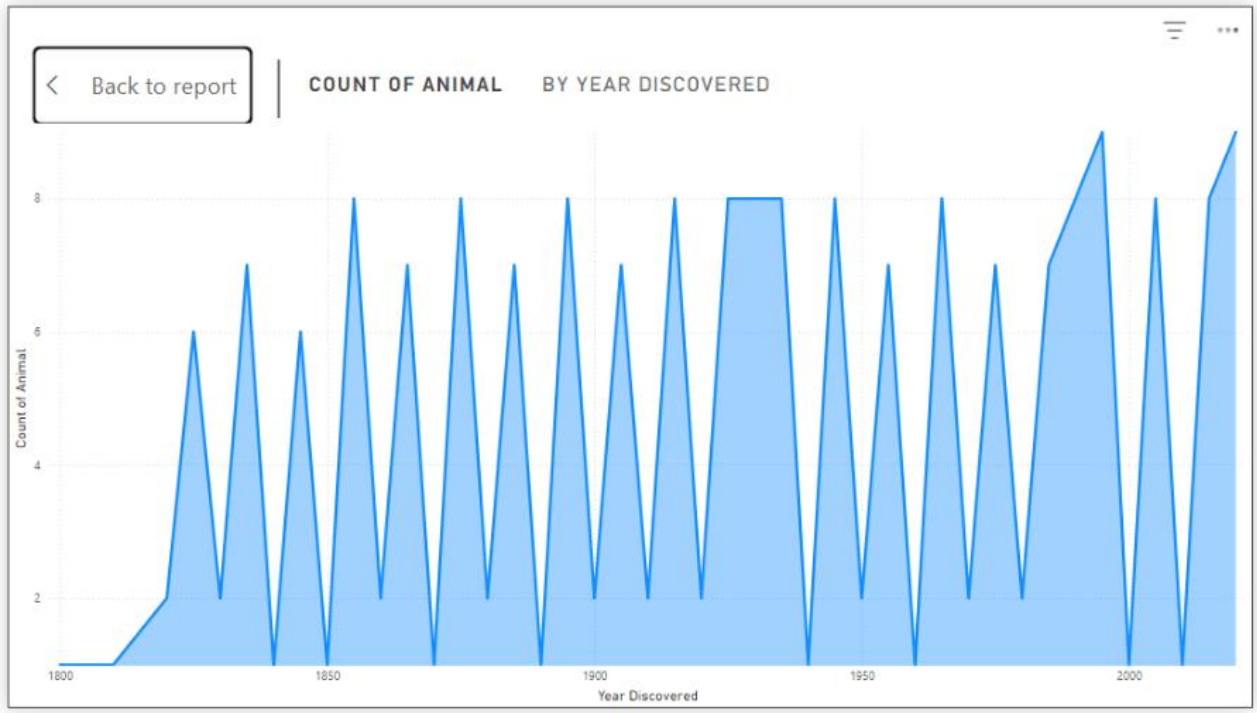
Species: Categorical identifier of the animal species.
Habitat: Habitat type where the species is commonly found (e.g., forest, marine).
Diet: Type of diet (e.g., herbivore, carnivore, omnivore).
Size/Weight: Numerical values representing the physical characteristics of each species.
Other Distinguishing Features: Additional attributes specific to certain species, such as fur type, limb count, or other biological markers, depending on dataset specifics.

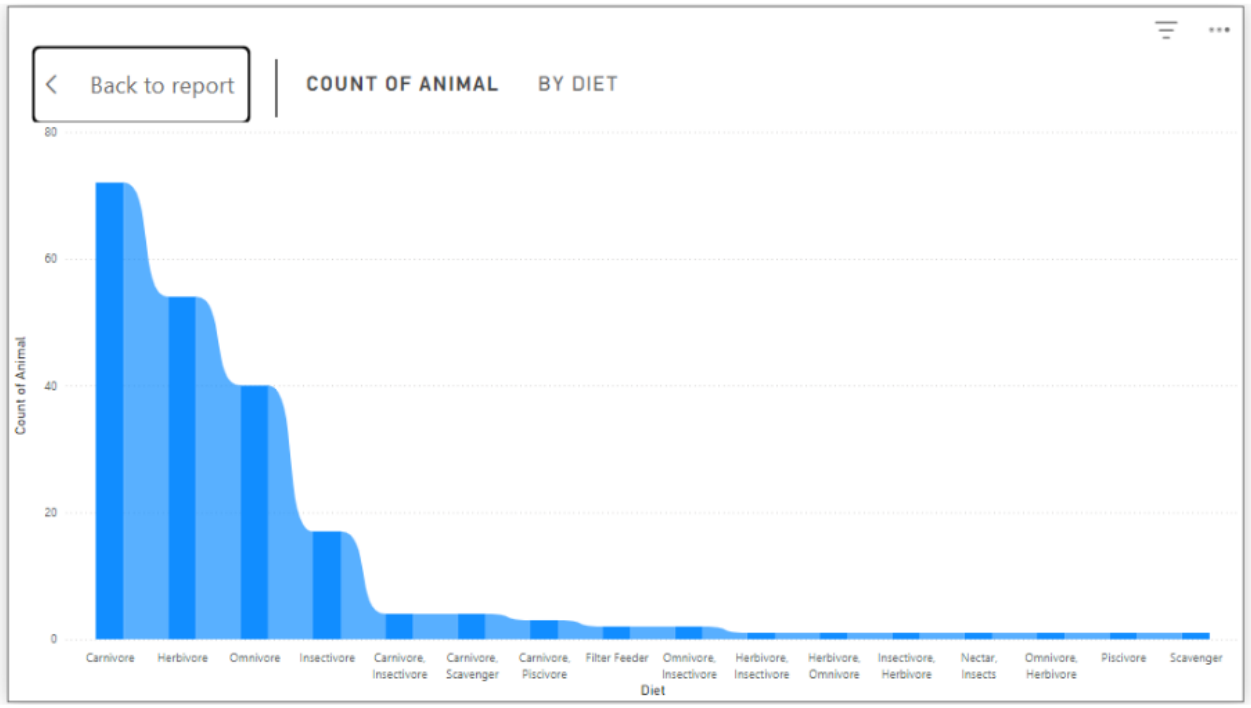
## 4. Visualizations and Observations

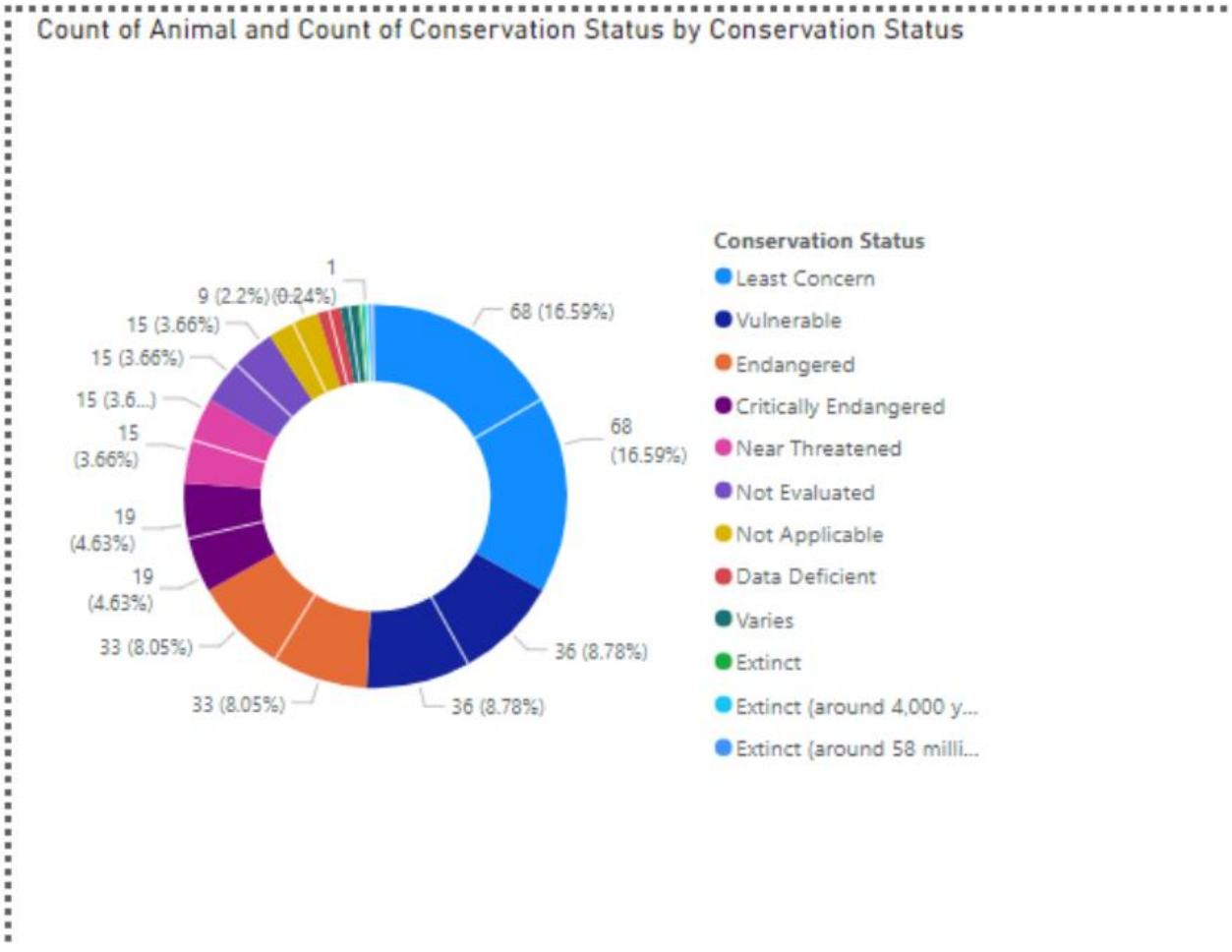



Back to report
COUNT OF ANIMAL
BY CONSERVATION STATUS
1
4 (1.95%) (0.49%)
9 (4.39%)
15 (7.32%)
15 (7.32%)
19 (9.27%)
33 (16.1%)
36 (17.56%)
68 (33.17%)
Conservation Status
Least Concern
Vulnerable
Endangered
Critically Endangered
Near Threatened
Not Evaluated
Not Applicable
Data Deficient
Varies
Extinct
Extinct (around 4,000 years ago)
Extinct (around 58 million years ago)


Back to report
COUNT OF ANIMAL
BY YEAR DISCOVERED
Count of Animal
8
6
4
2
1800
1850
1900
1950
2000
Year Discovered


Back to report
COUNT OF ANIMAL
BY DIET
Count of Animal
Diet
Carnivore
Herbivore
Omnivore
Insectivore
Carnivore, Insectivore
Carnivore, Scavenger
Carnivore, Piscivore
Filter Feeder
Omnivore, Insectivore
Herbivore, Insectivore
Herbivore, Omnivore
Insectivore, Herbivore
Nectar, Insects
Omnivore, Herbivore
Piscivore
Scavenger


Count of Animal and Count of Conservation Status by Conservation Status
1
9 (2.2%)
(0.24%)
15 (3.66%)
15 (3.66%)
15 (3.6...)
15 (3.66%)
19 (4.63%)
19 (4.63%)
33 (8.05%)
33 (8.05%)
36 (8.78%)
36 (8.78%)
68 (16.59%)
68 (16.59%)
Conservation Status
Least Concern
Vulnerable
Endangered
Critically Endangered
Near Threatened
Not Evaluated
Not Applicable
Data Deficient
Varies
Extinct
Extinct (around 4,000 y...
Extinct (around 58 milli...