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SUBJECT	Advanced Data Visualization
EXPERIMENT No.	6
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AIM: To design interactive dashboards using Power BI for visualizing and analyzing an Animal /Wildlife /Marine dataset, employing both basic and advanced charts to uncover insights and trends.

DATASET: https://www.kaggle.com/datasets/valchovalev/cat-vs-dog-popularity-in-us

Dog and Cat Population Dataset: The dataset contains information on pet ownership across various U.S. states, including the number of households, dog and cat populations, and percentages of pet-owning households. It provides insights into regional pet ownership trends and animal population distributions.

ANALYSIS:
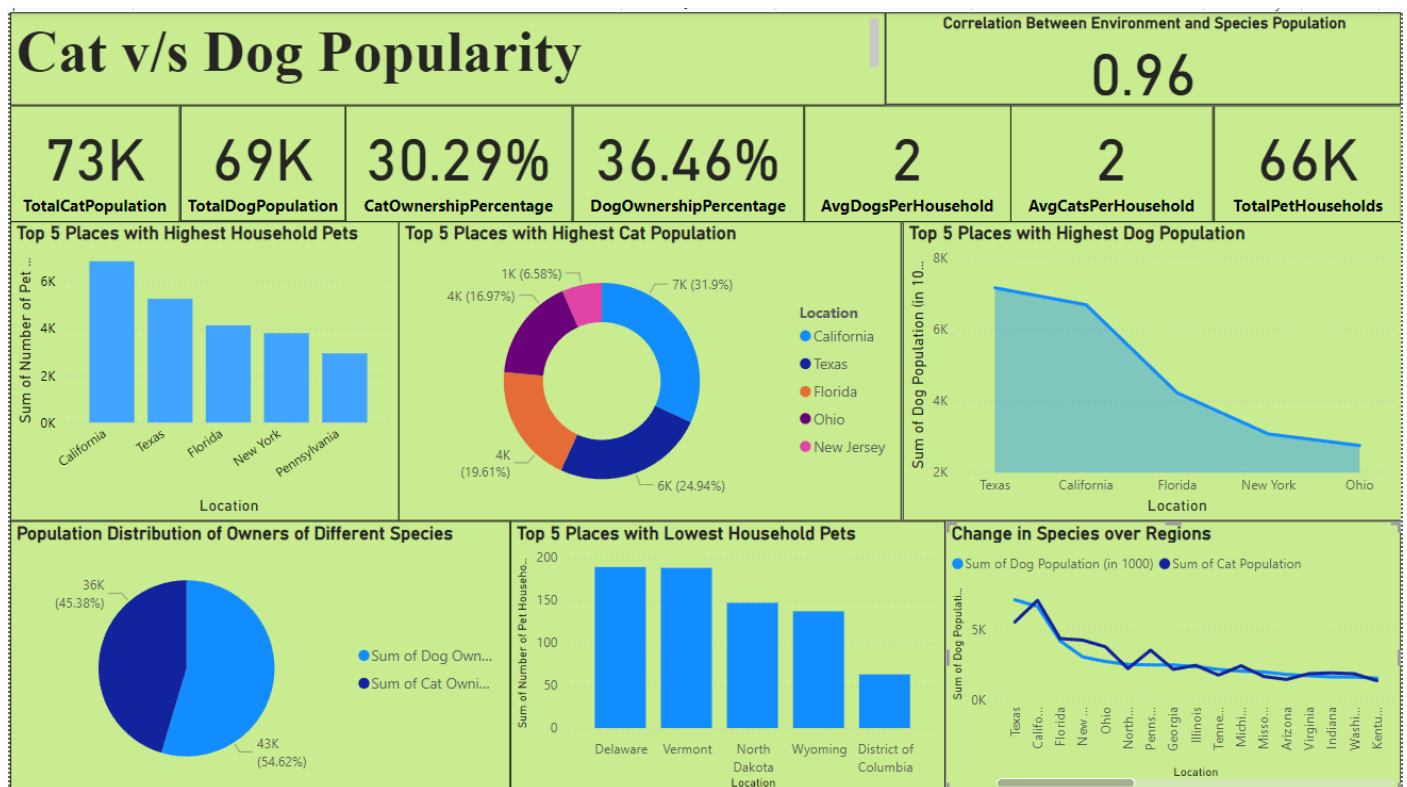
The above dashboard shows the Cat V/s Dog popularity charts. Using the graphs and DAX queries I have done the following analysis. The Dashboard states that the population of cats is more than that of dogs but the percentage of dog owners is higher than that of cats. This states that there are more owners who own dogs or in other way there are owners that have more than one cat in their household. Though the AvgDogsPerHousehold and AvgCatsPerHousehold is same but this is because of rounding off. Top 5 places where the population of dogs are more and the population of cats are more. There is a bar graph that also shows the areas with the highest and the lowest pet populations. The line graph shows the change in species over regions. Using the Dax query, we find that there is high correlation between the environment and species population.