**About Dataset**

**Dataset Description:**

The Pet Adoption Dataset provides a comprehensive look into various factors that can influence the likelihood of a pet being adopted from a shelter. This dataset includes detailed information about pets available for adoption, covering various characteristics and attributes.

**Features:**

1. **PetID:** Unique identifier for each pet.
2. **PetType:** Type of pet (e.g., Dog, Cat, Bird, Rabbit).
3. **Breed:** Specific breed of the pet.
4. **AgeMonths:** Age of the pet in months.
5. **Color:** Color of the pet.
6. **Size:** Size category of the pet (Small, Medium, Large).
7. **WeightKg:** Weight of the pet in kilograms.
8. **Vaccinated:** Vaccination status of the pet (0 - Not vaccinated, 1 - Vaccinated).
9. **HealthCondition:** Health condition of the pet (0 - Healthy, 1 - Medical condition).
10. **TimeInShelterDays:** Duration the pet has been in the shelter (days).
11. **AdoptionFee:** Adoption fee charged for the pet (in dollars).
12. **PreviousOwner:** Whether the pet had a previous owner (0 - No, 1 - Yes).
13. **AdoptionLikelihood:** Likelihood of the pet being adopted (0 - Unlikely, 1 - Likely).

**Usage:**

This dataset is ideal for data scientists and analysts interested in understanding and predicting pet adoption trends. It can be used for:

* Predictive modeling to determine the likelihood of pet adoption.
* Analyzing the impact of various factors on adoption rates.
* Developing strategies to increase adoption rates in shelters.

**Warning:**

This dataset was collected during a specific period of time. Therefore, it cannot be used to generalize pet adoption behavior.

**Conclusion:**

This dataset aims to support research and initiatives focused on increasing pet adoption rates and ensuring that more pets find their forever homes.

**Points highlighted from the charts:**

* Poodle Breed of Pets mostly stay in shelters.
* People’s prefer to adopt Healthy Pet compared to Pet on Medical condition.
* Peoples are most likely to adopt cats & then Dogs.
* The chances of adopting the Pet is more who is of Black color, Medium size, Vaccinated & don’t have any Previous owners
* Average weight of Cat is slightly more than Bird, Rabbit & then Dog
* Dogs average age is comparatively more than Rabbit, Cat & Bird

**Insights:**

People’s prefer to adopt Healthy Pet (Cats & Dogs) of Black color, Medium size, Vaccinated & who don’t have any Previous owners