**Visualizing Operational Efficiency in Animal Shelters**

**Objective**: Animal shelters often face a shortage of resources, which limits their ability to run efficient operations and provide adequate care for animals. Despite the numerous shelters operating worldwide, issues such as animal cruelty, abandonment, and mistreatment continue to persist. Through this project, my goal is to identify and analyse the key metrics that can help shelters improve their efficiency. By creating a variety of visualizations, I aim to reveal trends and patterns that could offer practical insights to shelter administrators, enhancing their ability to manage daily operations effectively.

The primary **questions** I seek to address include:

1. Over time, has the adoption rate of animals from the shelter increased or decreased?
2. Which aspect of shelter operations demands the highest financial investment?
3. How many animals are brought into the shelter on average, both yearly and monthly?

The answers to these questions will provide valuable insights to the following group of people, who are the **primary audience** for my project:

1. Director
2. President
3. Vice-President
4. Secretary
5. Treasurer

These individuals hold key roles in shelter management and decision-making. In addition to these stakeholders, many others involved in animal welfare could benefit from the insights generated, including volunteers, donors, and policy advocates who seek to improve the field of animal care.

The **data** I plan to use for this project will include essential attributes such as timestamps for every major shelter activity—tracking when animals are brought in, when they leave, their adoption destinations, and the costs associated with daily shelter management. This detailed dataset will enable a comprehensive analysis of shelter operations.

To ensure the successful completion of the project, I have outlined the following **milestones**:

1. First, I will gather reliable data and verify that it is suitable for addressing the objectives and questions framed above.
2. Next, I will clean, manipulate, and structure the data to build clear and informative visuals.
3. Finally, I will generate visualizations to answer the questions, summarize the findings, and provide insights on future opportunities for this analysis, along with practical suggestions for shelter improvement.

***It’s a visual world and people respond to visuals – Joe Sacco***

Through this project I really envision to provide some valuable insights to the brave warriors who envision to see a better world, where all living beings are treated equally.