FURRY FRIENDS: A DATA STORY ON PET OWNERSHIP AND PET ABANDONMENT

Step 1: Problem

Many people love their pets and treat them as if their own, however, pet abandonment rates still remain high. Every year, 6.5 million dogs, cats, and other former pets are abandoned.

Step 2: Statement ⟶ Question

What are the statistics and trends surrounding pet ownership and pet abandonment? What are the consequences of this behaviour?

Step 3: Find data

Pet Ownership

- Pet Ownership in US and SG
- Pet Ownership by generation (US)
- Pet Ownership by gender (SG)

Pet Abandonment

- Reasons for pet abandonment (Spain)
- Number of pets that get abandoned (SG)

Consequences of Pet abandonment

- Number of pets in shelters (SG)
- Number of pets rehomed/adopted (US)
- Number of pets euthanized (US)

Step 4: Visualize

Bar Chart:

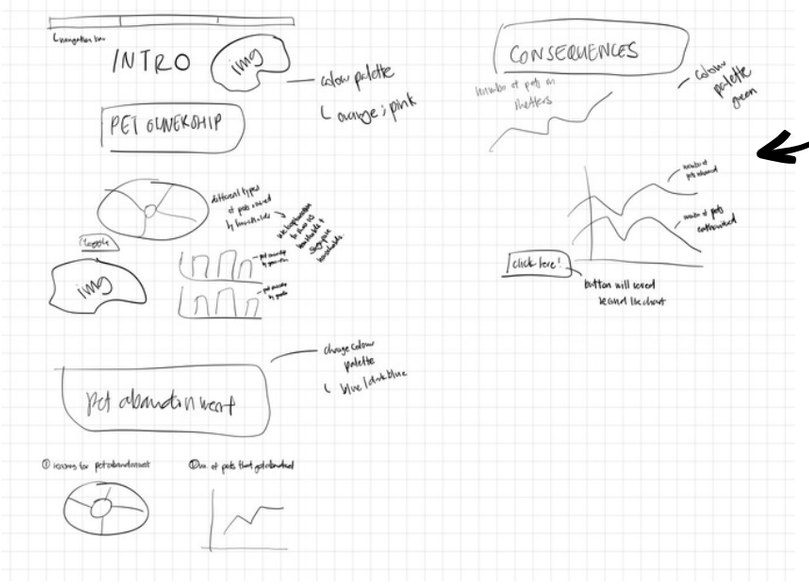
- Pet ownership by generation
- Pet ownership by gender

Line Chart:

- Number of pets that get abandoned
- Number of pets in shelters
- Number of pets rehomed
- Number of pets euthanized

Donut Chart:

- Pet ownership in US and SG
- Reasons for pet abandonment



Week	Concept	How I've used it	Line number	Filename
3,6,7,8	Creating loops and charts	I created a loop using a "if else" statement between two datasets and used a function to trigger a change in the dataset shown when a button is clicked. The dataset was presented using a doughnut chart.	43-51 and 111-118 in index.html, 3-62 and 203-272 in chart.js	index.html, chart.js
4,5,6,7,8	Creating arrays, events and charts	I used an array as a stack and used the push() and pop() function to allow myself to add a second line to my line chart. Similarly, this is done through an onclick action via events.	111-118 in index.html, 203-272 in chart.js	index.html, chart.js
7,8	Creating charts using chart.js	I created different types of charts such as doughnut charts, line charts and bar charts. I also styled them respectively to fit the colour themes of my website.	*sections are identified by comments in my code*	index.html, chart,js
2	Inserting images	I inserted images that I designed myself to make the website more aesthetically pleasing	34, 38, 56 and 96	index.html
2	Using CSS and HTML	Throughout the page, I utilised both HTML and CSS to stylize my text and improve the appearance of my website. This includes but not limited to: using padding, font size, font weight, margins, background color etc.	*throughout the code*	index.html, appstyle.css
3	Creating variables and functions	Declared my datasets as variables and assigning them values that correspond to my labels. Given that there are many datasets, it is important to declare and distinguish the variables correctly. I also created functions in my html and used eventlisteners in js to call for the function.	*throughout the code* function: 49 and 115 in index.html	index.html, chart.js

^^ I have linked my datasets as comments in my js file