

4483 CAPSTONE PROJECT PRESENTATION

Capstone Project

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TUTORIAL GROUP – WEEK DAY/TIME: Wednesday, 2:30

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1. Introduction

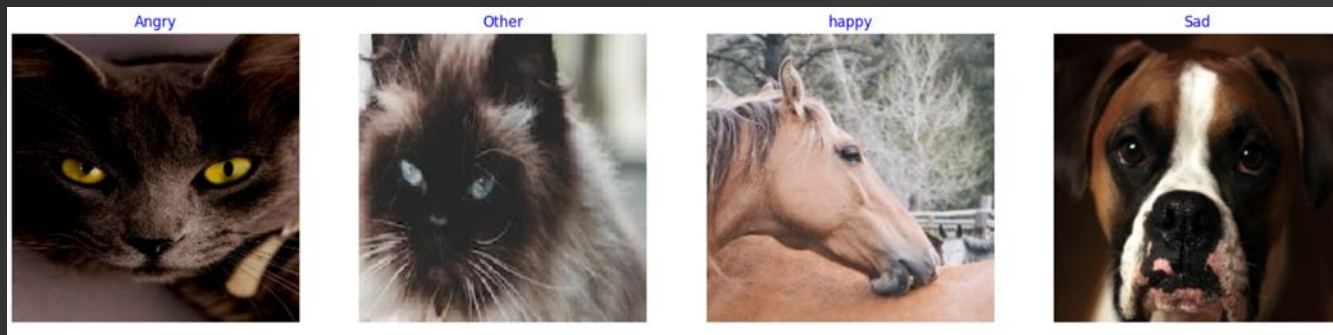
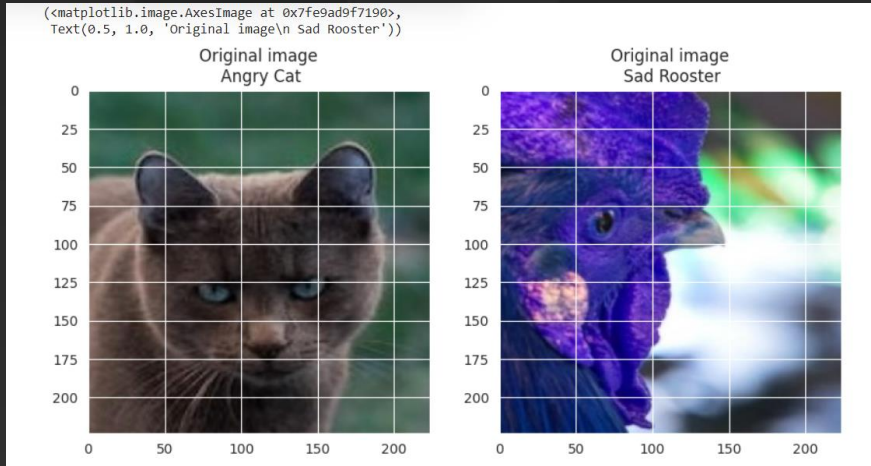
- Understanding the emotions and general wellbeing of animals through their facial expressions is crucial
- pets convey a range of emotions through their facial expressions
- the potential to improve the relationship between humans and animals
- behaviour and pet training
- substantial contribution to the field of animal welfare as well
- critical in the development of AI and machine learning applications

2. Dataset Details

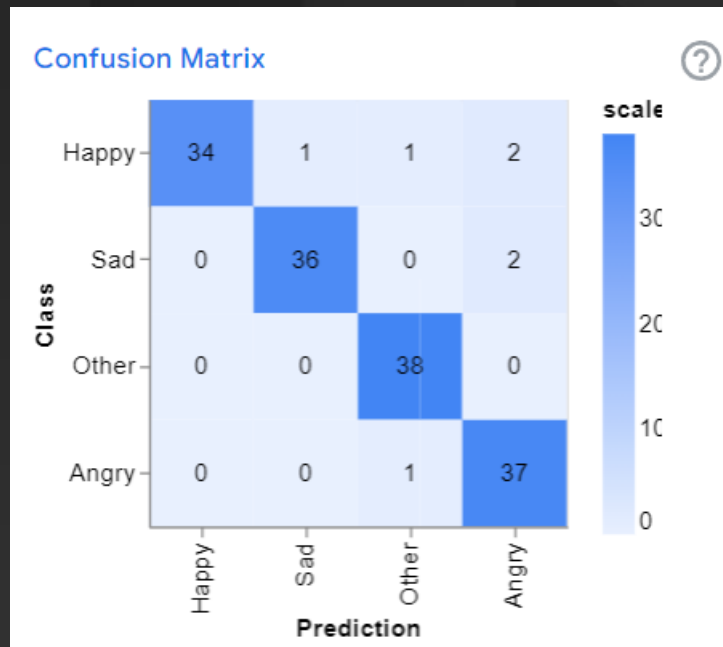
- The dataset is available publicly in Kaggle repository with a license specified as Attribution-NonCommercial 4.0 International (CC BY-NC 4.0)
- One thousand faces of different pets
- The emotions are: Angry, Sad, Happy, Other

3. EDA (Exploratory Data Analysis) Outcomes

- The goal of exploratory data analysis, which is the most crucial initial step, is to fully comprehend the data.



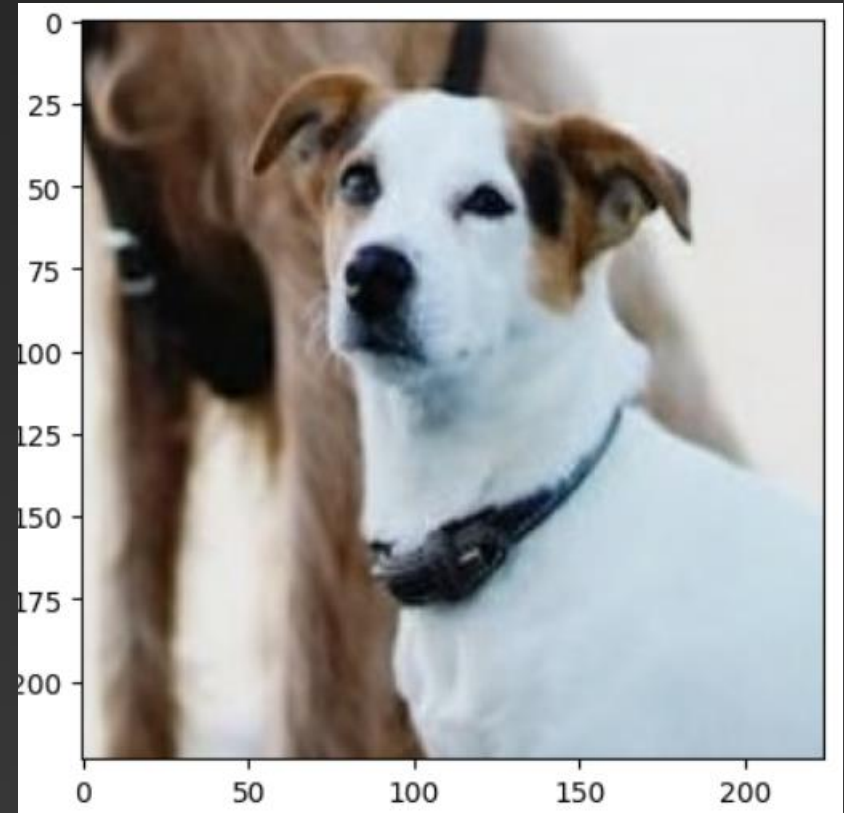
4. PDA (Predictive Data Analysis) Outcomes



Accuracy per class

CLASS	ACCURACY	# SAMPLES
Happy	0.89	38
Sad	0.95	38
Other	1.00	38
Angry	0.97	38

5. Implementation and Deployment (TkInter/Flask/Streamlit) Plan and Status Update



-Almost has 100%
success rate

References /Bibilography

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