Task Description
The goal of the experiment was to classify pictures based on the Images.csv given.
We created n = {3,5,10,15} images per class depending the experiment.

Experiment Setup

Using the given CSV file “Images.csv”, we preprocessed our data and extracted n images per class.

We then used this file to generate our y_train which contains the class names of the objects to be classified. We also generated our x_train from the **EdgeHistogram.csv**, which contains the feature vectors of the object of a given class.

We used the Logistic Regression model with the max number of iterations set to 5000

Presentation of Results

Using our logistic regression model with the max number of iterations set to 5000, we achieved the following results:

No of images	Accuracy
3	29.68
5	38.60
10	46.28
15	51.21

Discussion of Results

It is clear according to our results that the number of images is proportional to the accuracy i.e the higher the images the higher the accuracy.