# Flower category Identification
Lab 01

Niranga Mahesh Udumulla[1]

Florida Atlantic University

Biostatistics, Fall 2020

Introduction

First of all we download the image set with their labels to our google drive.After that,we apply a data augmentation technique to increase the image size.Finally, 6552 train images and 818 testing images were used to our analysis.

[" 'clematis'", " 'mallow'", " 'cyclamen '", " 'japanese anemone'"]

Training
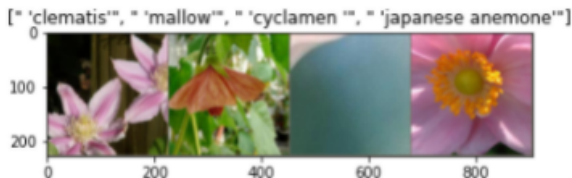
We made a simple classifier to make classification using pytorch.Model is based on crossentropy loss and stochastic gradient decent algorithm used to find out the points which have minimum loss. Popular 80/20 data split method was used to evaluate the trained model.

Important theorem

Resnet18 pre trained weights were used to evaluate our trained model.

Remark

25 epochs were executed and each batch has 16 images.

Evaluation

This is a text in first column. First we evaluate our trained model using resnet18 weghts

Then we apply new image to check the ability of our model to predict a new image which we never seen before.