Updates to the code as of 6/5/23:

-Fixed bug where code does not get the current file path correctly causing “no file found” errors

-Added directory creation so we dont get errors when saving results

-Fixed CNN outputs incompatible with input dimensions for data with class size != 5

-Fixed issue where training would suddenly cancel

-Made all instances of file paths independent of computer, replacing hard coded strings

-Removed most hard coding in general, created adjustable parameters at top of program

-Fixed bad RL performance

-Added adjustable learning rate

-Added new CNN architecture NASNetMobile

-Added code to track # of misclassifications and plot the result

-Added adjustable images per class to truncate large datasets

-Added new functions for saving stats for misclassifications and RL time

-Added image augmentations function to fix overfitting

-Added Monte Carlo algorithm

-Fixed all bugs

-Improved code base

Instructions for using:

-Same format as flower data

-Update parameters before running

Cifar 10 dataset: <https://www.kaggle.com/datasets/swaroopkml/cifar10-pngs-in-folders>