

## README: How to run code

Step 1: Change file paths to your concepts\_2011.txt, trainset\_gt\_annotations.txt and imagecleff2011 to your path.

Step 2: Run script

### Q: Why did I asked you to split class-wise?

This is to ensure that the proportion of values in the test group is the same as the portion of values in the training group. This ensures that we have a representative distribution of our target classes in our test group, which gives superior performance during validation and testing.

### Validation dataset results

c	Vanilla acc	Class-wise averaged acc
<b>0.01</b>	<b>0.77339</b>	<b>0.51936</b>
0.1	0.73399	0.42611
0.1**0.5	0.74384	0.43204
1	0.73399	0.44103
10**0.5	0.73892	0.43392
10	0.73892	0.43392
1000**0.5	0.73399	0.44291

The best c value is: **0.01**

The best vanilla accuracy for validation set is: **0.77339**

The best class wise average accuracy for validation set is: **0.51936**

### Test dataset results

c	Vanilla acc	Class-wise averaged acc
<b>0.01</b>	<b>0.76176</b>	<b>0.55736</b>

The vanilla accuracy for test set is: **0.76176**

The class wise average accuracy for test set is: **0.55736**