

classify image using TensorFlow

1. Only put the training directory inlier_train and inlier_train into a new directory such as **train_dir**
2. Use following command to retrain the model
`python3 retrain.py --image_dir=train_dir/ --bottleneck_dir=bottleneck/ --how_many_training_steps=500 --output_graph=trained_model/retrained_graph.pb --output_labels=trained_model/retrained_labels.txt --summaries_dir=summaries`
3. Use following command to classify the test pictures and generate Q1_output.csv
`python3 classify.py`

if you do not want to retrain the model, you can just run `python3 classify.py` to generate Q1_output.csv

the trained mode is obtained from

https://drive.google.com/drive/folders/1gaCJliNGjXyljdCQ7_kjlnG7cdIMdIf5

Reference :

<https://medium.com/@RaghavPrabhu/a-simple-tutorial-to-classify-images-using-tensorflow-step-by-step-guide-7e0fad26c22>

https://github.com/RaghavPrabhu/Deep-Learning/tree/master/dogs_breed_classification