

Çağrı Erciyes:

I've tested convenience of new extracted features and select suit ones along them and then merge the selected ones to the general feature vector.

İlke Çuğu:

New leaf images are gathered. Caffe is fine-tuned with 50 tree classes and accuracy is 91.56%. Feature vector usage as input for Caffe research is done. Feeding 1-dimensional feature vectors as inputs to Caffe seems possible by using Caffe with "HDF5Data" layer & Python package named "h5py"

Eren Şener:

I trained another SVM classifier of 50 species with new set of features. And accuracy found as 58%. Then I got classification results of both Caffe and SVM models of test images in our dataset. After comparing these results, I had the following observation. Caffe failed 129 times while classifying 1430 images. And just 12 of these fails classified correctly by the SVM classifier.

Burak Balcı:

I have implemented 4 texture features namely energy, entropy, contrast and correlation with using GLCM (gray level co-occurrence matrix). I have tried to train my neural network with features but could not find appropriate parameters and architecture for network yet. Because of the bad conditions of weather, taking leaf photographs is postponed to this week.

Emre Akın:

- I have implemented “my observation tab” with new features like name, Latin name and images.
 - In the search results, now user is able to select which result he liked most. And this selection is automatically added to my observation tab.
 - 50-class leaves are integrated with correct string information and new data images.
 - I removed all camera and camera2 hardware, and used default one.
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