

Chris Rebbelin s0548921

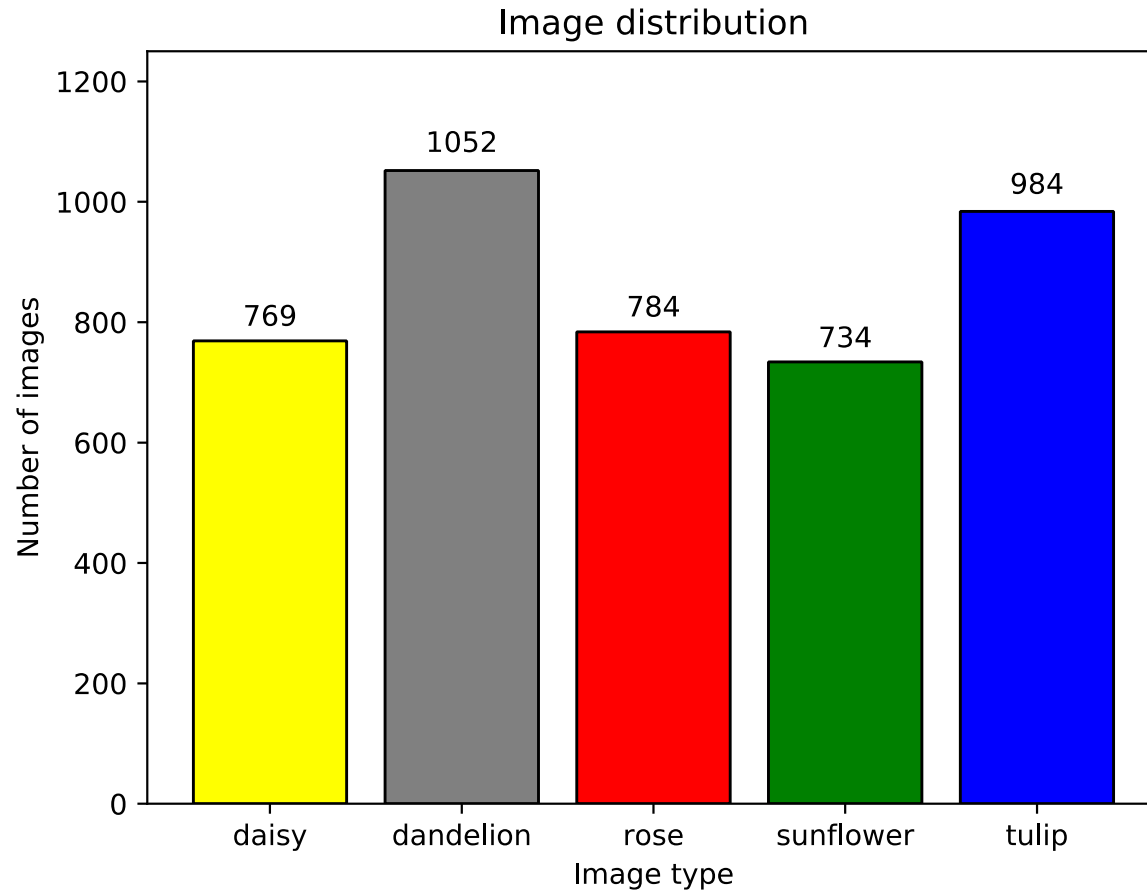
Course project

Advanced Topics: Machine Learning

16.07.2018

dataset

- „Flowers Recognition“ from kaggle.com
- 4323 images of flowers
- 5 classes
- from all over the web

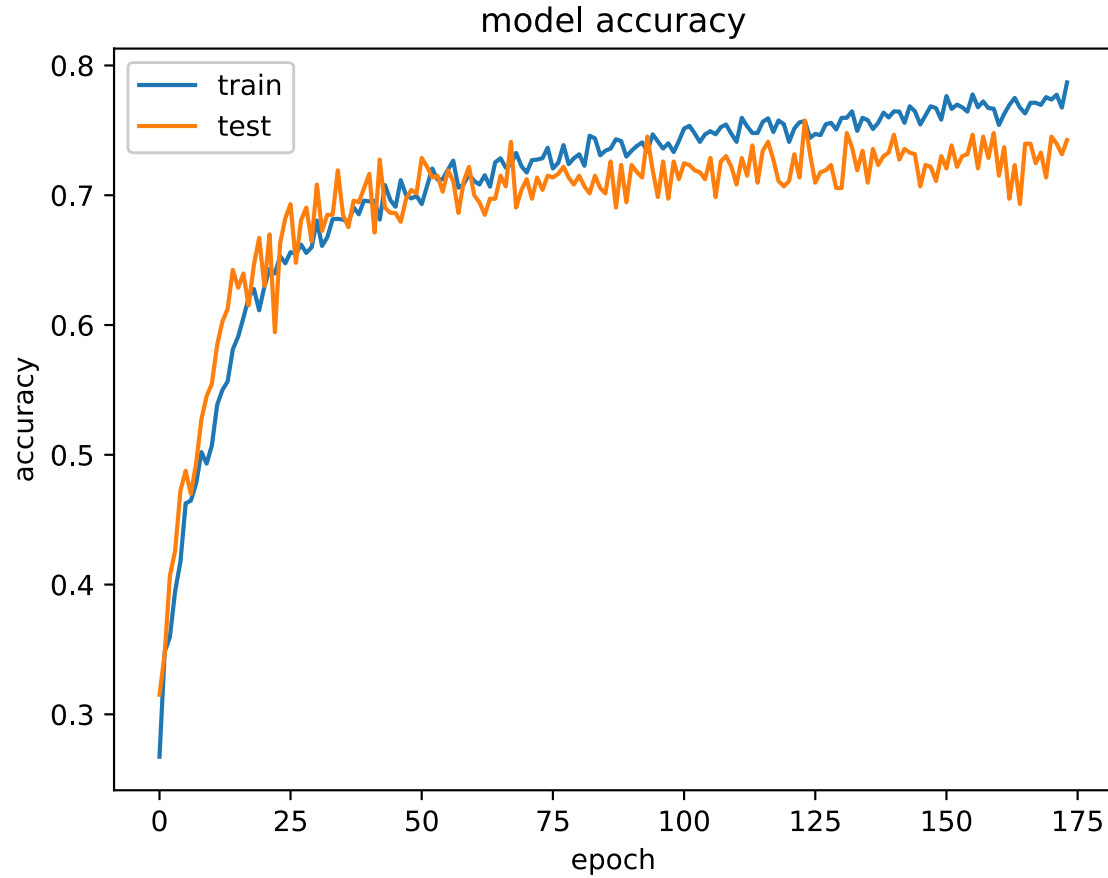


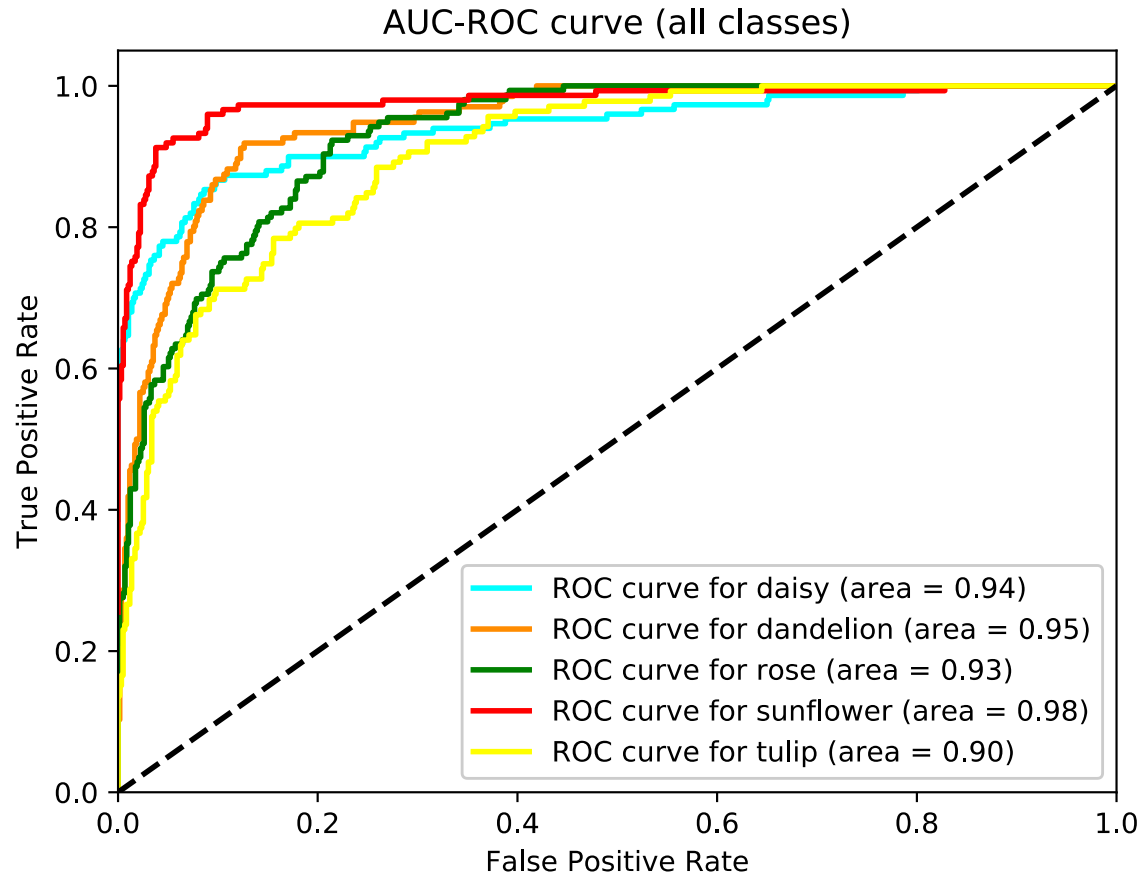
approach

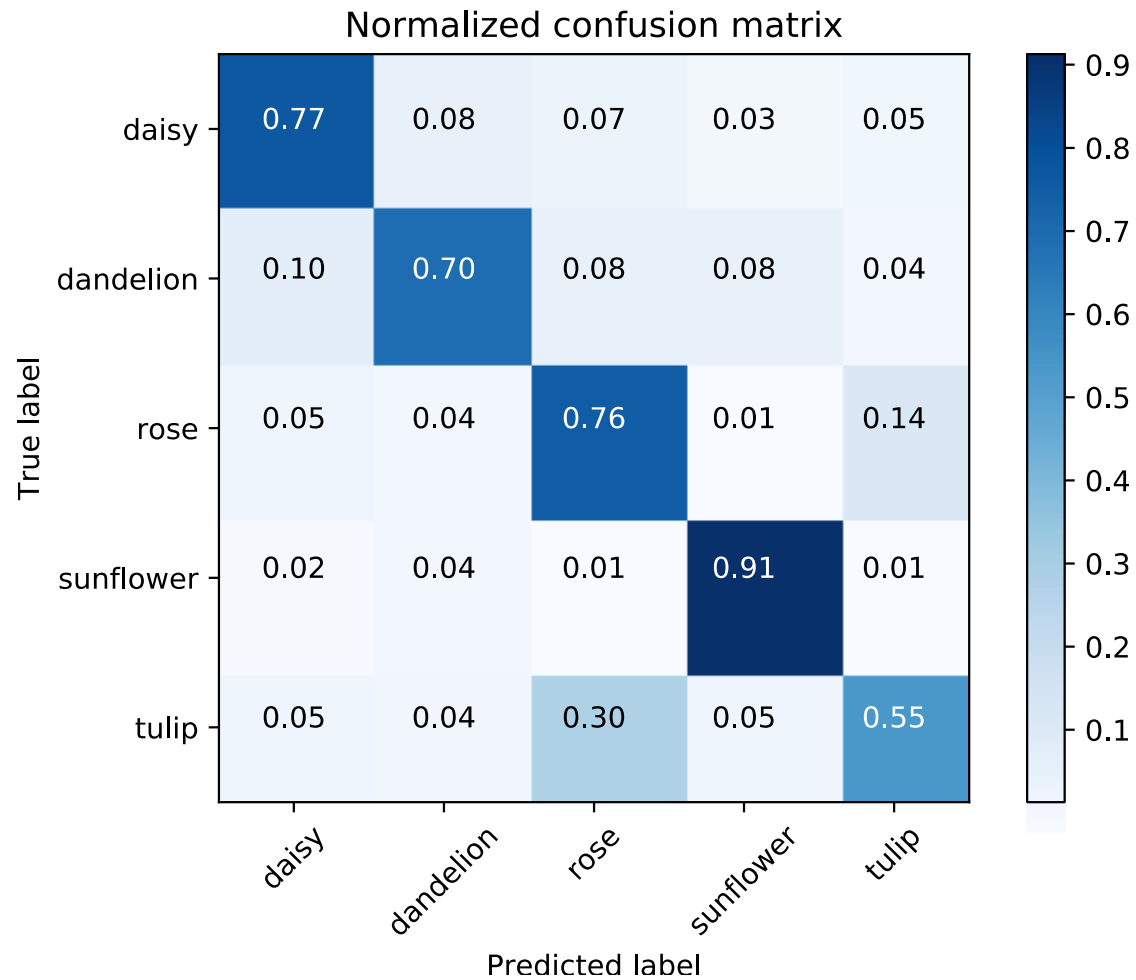
- resize all images to 32x32
- take only around 700 of each

approach

- resize all images to 32x32
- take only around 700 of each
- (2 conv layers with ReLU + Pooling) X 3
- 2 fully-connected layers
- output layer







problems?

- dandelions can have two different „looks“





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- dandelions can have two different „looks“
- yellow dandelions can look like sunflowers





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- roses and tulips are pretty similar





problems?

- dandelions can have two different „looks“
- yellow dandelions can look like sunflowers
- roses and tulips are pretty similar
- weird outliers







DEMO



**Hochschule für Technik
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