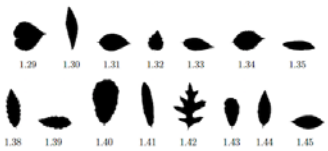

Knowledge • 1,065 teams

Leaf Classification

Tue 30 Aug 2016 — Tue 28 Feb 2017 (2 months to go)

Dashboard

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- Data
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Information
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Forum

Kernels
- New Script
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Leaderboard

My Submissions

Public Leaderboard

1. IvanSosnovik
2. LittleNan
3. nionjo
4. gregory lagasse
5. gooron
6. Velibor Ilic
7. fansly
8. Josef
9. JuYoungAhn
10. alitvin

767 Kernels

feature extraction from images
66 Votes / 2 months ago / Python

10 Classifier Showdown in Scikit-Learn
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Shapelets
7 Votes / 26 days ago / Python

Simple Keras 1D CNN + features split
7 Votes / 22 days ago / Python

3 Basic Classifiers and Features Correlation
12 Votes / 58 days ago / Python

Competition Details » Get the Data » Make a submission

Data Files

File Name	Available Formats
sample_submission.csv	.zip (6.15 kb)
train.csv	.zip (371.03 kb)
test.csv	.zip (215.26 kb)
images	.zip (33.81 mb)

The dataset consists approximately 1,584 images of leaf specimens (16 samples each of 99 species) which have been converted to binary black leaves against white backgrounds. Three sets of features are also provided per image: a shape contiguous descriptor, an interior texture histogram, and a fine-scale margin histogram. For each feature, a 64-attribute vector is given per leaf sample.

Note that of the original 100 species, we have eliminated one on account of incomplete associated data in the original dataset.

File descriptions

- **train.csv** - the training set
- **test.csv** - the test set
- **sample_submission.csv** - a sample submission file in the correct format
- **images** - the image files (each image is named with its corresponding id)

Data fields

- **id** - an anonymous id unique to an image
- **margin_1, margin_2, margin_3, ..., margin_64** - each of the 64 attribute vectors for the margin feature
- **shape_1, shape_2, shape_3, ..., shape_64** - each of the 64 attribute vectors for the shape feature
- **texture_1, texture_2, texture_3, ..., texture_64** - each of the 64 attribute vectors for the texture feature

Keras ConvNet LB 0.0052 w/ Visualization
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Forum (49 topics)

NN through Keras *Copied* mod
yesterday

Fiddling around with manifold learning methods
2 days ago

Great Validation Score, Horrible Leaderboard Score
4 days ago

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LightGBM starter
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leaf-knn
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teams

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