

130 lines (118 sloc)

4.34 KB

...

```
1  import sys
2  from setuptools import setup, find_packages
3
4  long_description = '''
5  imagededup is a python package that provides a set of
6  of algorithms. Additionally, an evaluation framework and
7  functionality provided by the package:
8
9  * Finding duplicates in a directory using:
10     - Convolutional Neural Network
11     - Perceptual hashing
12     - Difference hashing
13     - Wavelet hashing
14     - Average hashing
15
16  * Generation of features for images using:
17  * Framework to evaluate effectiveness
18  * Plotting duplicates found for a given directory
19
20  Read the documentation at: https://imagededup.readthedocs.io/en/latest/
21
22  imagededup is compatible with Python 3.6 and above
23  It is distributed under the Apache 2.0 license
24  '''
25
26  # Cython compilation is not enabled by default
27  # http://docs.cython.org/en/latest/src/faq/why-no-cython.html
28
29  setup(
```

```
24
25 # Cython compilation is not enabled by
26 # http://docs.cython.org/en/latest/src
27
28
29 try:
30     from Cython.Build import cythonize
31 except ImportError:
32     use_cython = False
33 else:
34     use_cython = True
35
36 on_mac = sys.platform.startswith('darwin')
37 on_windows = sys.platform.startswith('win32')
38
39 MOD_NAME = 'brute_force_cython_ext'
40 MOD_PATH = 'imagededup/handlers/search'
41 COMPILE_LINK_ARGS = ['-O3', '-march=native']
42 # On Mac, use libc++ because Apple depends on it
43 COMPILE_ARGS_OSX = ['-stdlib=libc++']
44 LINK_ARGS_OSX = ['-lc++', '-nodefaultlibs']
45
46 ext_modules = []
47 if use_cython and on_mac:
48     ext_modules += cythonize([
49         Extension(
50             MOD_NAME,
51             [MOD_PATH + '.pyx'],
52             language='c++',
53             extra_compile_args=COMPILE_ARGS_OSX,
54             extra_link_args=LINK_ARGS_OSX,
55         )
56     ])
57 elif use_cython and on_windows:
```

```

85                                     [MOD
86                                     )
87                                     ]
88
89
90  setup(
91      name='imagededup',
92      version='0.3.0',
93      author='Tanuj Jain, Christopher Le
94      author_email='tanuj.jain.10@gmail.
95      description='Package for image ded
96      long_description=long_description,
97      license='Apache 2.0',
98      install_requires=[
99          'torch',
100         'torchvision',
101         'Pillow>=9.0',
102         'tqdm',
103         'scikit-learn',
104         'PyWavelets',
105         'matplotlib'
106     ],
107     extras_require={
108         'tests': ['pytest', 'pytest-co
109         'docs': ['mkdocs', 'mkdocs-mat
110         'dev': ['bumpversion', 'twine'
111     },
112     classifiers=[
113         'Development Status :: 5 - Pro
114         'Intended Audience :: Develope
115         'Intended Audience :: Science/
116         'License :: OSI Approved :: Ap
117         'Operating System :: POSIX ::
118         'Operating System :: MacOS ::

```

```

55         )
56     ])
57     elif use_cython and on_windows:
58         ext_modules += cythonize([
59             Extension(
60                 MOD_NAME,
61                 [MOD_PATH + '.pyx'],
62                 language='c++',
63             )
64         ])
65     elif use_cython:
66         ext_modules += cythonize([
67             Extension(
68                 MOD_NAME,
69                 [MOD_PATH + '.pyx'],
70                 language='c++',
71                 extra_compile_args=COMPILE_ARGS,
72                 extra_link_args=COMPILE_LINK_ARGS,
73             )
74         ])
75     else:
76         if on_mac:
77             ext_modules += [Extension(MOD_NAME,
78                                     [MOD_PATH + '.pyx'],
79                                     language='c++',
80                                     extra_compile_args=COMPILE_ARGS,
81                                     extra_link_args=COMPILE_LINK_ARGS,
82                                 )]
83         else:
84             ext_modules += [Extension(MOD_NAME,
85                                     [MOD_PATH + '.pyx'],
86                                     language='c++',
87                                 )]
88

```



```
107     extras_require={
108         'tests': ['pytest', 'pytest-co
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116         'License :: OSI Approved :: Ap
117         'Operating System :: POSIX ::
118         'Operating System :: MacOS ::
119         'Operating System :: Microsoft
120         'Programming Language :: Cytho
121         'Programming Language :: Pytho
122         'Programming Language :: Pytho
123         'Programming Language :: Pytho
124         'Programming Language :: Pytho
125         'Topic :: Software Development
126         'Topic :: Software Development
127     ],
128     packages=find_packages(exclude=('t
129     ext_modules=ext_modules
130 )
```