

```
C:\Users\abano\Anaconda3\python.exe E:/
RoadExtraction/convert_to_file.py
2018-02-26 18:51: Train Data Images Files: 97
2018-02-26 18:51: Train Target Images Files: 97
2018-02-26 18:51: Test Data Images Files: 1
2018-02-26 18:51: Test Target Images Files: 1
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2018-02-26 18:51: Input and output files check
success
2018-02-26 18:51: writing train Data File in CVS
file with 1000000 line and 10310 line per image
2018-02-26 18:51:01.084548: Extract features from
image 1 " 22678915_15.tiff "
Road Pixies number : 178852
Building Pixies number : 236239
Non buildings and roads Pixies numbers : 1822925
C:\Users\abano\Anaconda3\lib\site-packages\skimage\
feature\texture.py:109: FutureWarning: Conversion
of the second argument of issubdtype from `float`
to `np.floating` is deprecated. In future, it will
be treated as `np.float64 == np.dtype(float).type`.
if np.issubdtype(image.dtype, np.float):
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2018-02-26 18:52:23.346109: Extract features from
image 2 " 22678930_15.tiff "
Road Pixies number : 239625
Building Pixies number : 105682
Non buildings and roads Pixies numbers : 1892709
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2018-02-26 18:53:55.070281: Extract features from
image 3 " 22678945_15.tiff "
Road Pixies number : 164342
Building Pixies number : 185973
Non buildings and roads Pixies numbers : 1887701
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2018-02-26 18:55:18.516658: Extract features from
image 4 " 22678960_15.tiff "
Road Pixies number : 155476
Building Pixies number : 158529
```

Non buildings and roads Pixies numbers : 1924011

2018-02-26 18:56:36.692991: Extract features from
image 5 " 22678975_15.tiff "

Road Pixies number : 155126

Building Pixies number : 165508

Non buildings and roads Pixies numbers : 1917382

2018-02-26 18:58:04.527906: Extract features from
image 6 " 22678990_15.tiff "

Road Pixies number : 205839

Building Pixies number : 284883

Non buildings and roads Pixies numbers : 1747294

2018-02-26 18:59:30.451082: Extract features from
image 7 " 22679005_15.tiff "

Road Pixies number : 243992

Building Pixies number : 303579

Non buildings and roads Pixies numbers : 1690445

2018-02-26 19:00:53.644407: Extract features from
image 8 " 22679020_15.tiff "

Road Pixies number : 239071

Building Pixies number : 383798

Non buildings and roads Pixies numbers : 1615147

2018-02-26 19:02:10.534583: Extract features from
image 9 " 22679035_15.tiff "

Road Pixies number : 231167

Building Pixies number : 376497

Non buildings and roads Pixies numbers : 1630352

2018-02-26 19:03:32.328567: Extract features from
image 10 " 22679050_15.tiff "

Road Pixies number : 202715

Building Pixies number : 228095

Non buildings and roads Pixies numbers : 1807206

2018-02-26 19:04:50.653673: Extract features from
image 11 " 22828915_15.tiff "
Road Pixies number : 181107
Building Pixies number : 234568
Non buildings and roads Pixies numbers : 1822341

2018-02-26 19:06:04.846939: Extract features from
image 12 " 22828945_15.tiff "
Road Pixies number : 184351
Building Pixies number : 223544
Non buildings and roads Pixies numbers : 1830121

2018-02-26 19:07:19.876332: Extract features from
image 13 " 22828960_15.tiff "
Road Pixies number : 90623
Building Pixies number : 85312
Non buildings and roads Pixies numbers : 2062081

2018-02-26 19:08:52.068692: Extract features from
image 14 " 22828975_15.tiff "
Road Pixies number : 179665
Building Pixies number : 192334
Non buildings and roads Pixies numbers : 1866017

2018-02-26 19:11:00.817729: Extract features from
image 15 " 22829005_15.tiff "
Road Pixies number : 285531
Building Pixies number : 363626
Non buildings and roads Pixies numbers : 1588859

2018-02-26 19:12:51.856117: Extract features from
image 16 " 22829020_15.tiff "
Road Pixies number : 279179
Building Pixies number : 515703
Non buildings and roads Pixies numbers : 1443134

2018-02-26 19:14:41.729580: Extract features from
image 17 " 22978870_15.tiff "
Road Pixies number : 131526
Building Pixies number : 278272
Non buildings and roads Pixies numbers : 1828218

2018-02-26 19:16:01.475602: Extract features from
image 18 " 22978885_15.tiff "
Road Pixies number : 179242
Building Pixies number : 221679
Non buildings and roads Pixies numbers : 1837095

2018-02-26 19:17:20.667896: Extract features from
image 19 " 22978900_15.tiff "
Road Pixies number : 110251
Building Pixies number : 76928
Non buildings and roads Pixies numbers : 2050837

2018-02-26 19:18:47.850654: Extract features from
image 20 " 22978915_15.tiff "
Road Pixies number : 159563
Building Pixies number : 195150
Non buildings and roads Pixies numbers : 1883303

2018-02-26 19:20:16.015046: Extract features from
image 21 " 22978930_15.tiff "
Road Pixies number : 254557
Building Pixies number : 363571
Non buildings and roads Pixies numbers : 1619888

2018-02-26 19:21:47.087014: Extract features from
image 22 " 22978960_15.tiff "
Road Pixies number : 127202
Building Pixies number : 121027
Non buildings and roads Pixies numbers : 1989787

2018-02-26 19:23:16.921986: Extract features from
image 23 " 22978975_15.tiff "
Road Pixies number : 185310
Building Pixies number : 189891
Non buildings and roads Pixies numbers : 1862815

2018-02-26 19:24:44.927234: Extract features from
image 24 " 22979005_15.tiff "
Road Pixies number : 303557
Building Pixies number : 569267
Non buildings and roads Pixies numbers : 1365192

2018-02-26 19:26:12.450299: Extract features from
image 25 " 22979020_15.tiff "
Road Pixies number : 315209
Building Pixies number : 144427
Non buildings and roads Pixies numbers : 1778380

2018-02-26 19:27:41.343574: Extract features from
image 26 " 22979035_15.tiff "
Road Pixies number : 253162
Building Pixies number : 332165
Non buildings and roads Pixies numbers : 1652689

2018-02-26 19:29:23.532018: Extract features from
image 27 " 23128885_15.tiff "
Road Pixies number : 177055
Building Pixies number : 254524
Non buildings and roads Pixies numbers : 1806437

2018-02-26 19:30:48.874458: Extract features from
image 28 " 23128900_15.tiff "
Road Pixies number : 204155
Building Pixies number : 312920
Non buildings and roads Pixies numbers : 1720941

2018-02-26 19:32:15.619867: Extract features from

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image 29 " 23128915_15.tiff "
Road Pixies number : 202165
Building Pixies number : 255768
Non buildings and roads Pixies numbers : 1780083
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2018-02-26 19:33:42.707124: Extract features from
image 30 " 23128945_15.tiff "
Road Pixies number : 252098
Building Pixies number : 186258
Non buildings and roads Pixies numbers : 1799660
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2018-02-26 19:35:04.918766: Extract features from
image 31 " 23128960_15.tiff "
Road Pixies number : 216955
Building Pixies number : 262731
Non buildings and roads Pixies numbers : 1758330
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2018-02-26 19:36:20.155200: Extract features from
image 32 " 23128975_15.tiff "
Road Pixies number : 246247
Building Pixies number : 345682
Non buildings and roads Pixies numbers : 1646087
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2018-02-26 19:37:34.161566: Extract features from
image 33 " 23128990_15.tiff "
Road Pixies number : 255197
Building Pixies number : 544968
Non buildings and roads Pixies numbers : 1437851
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2018-02-26 19:38:48.606077: Extract features from
image 34 " 23129005_15.tiff "
Road Pixies number : 278945
Building Pixies number : 422470
Non buildings and roads Pixies numbers : 1536601
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2018-02-26 19:40:04.754199: Extract features from
image 35 " 23129020_15.tiff "
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Road Pixies number : 229482
Building Pixies number : 456594
Non buildings and roads Pixies numbers : 1551940

2018-02-26 19:41:20.697824: Extract features from
image 36 " 23129035_15.tiff "
Road Pixies number : 306280
Building Pixies number : 533211
Non buildings and roads Pixies numbers : 1398525

2018-02-26 19:42:36.204693: Extract features from
image 37 " 23278885_15.tiff "
Road Pixies number : 125315
Building Pixies number : 119434
Non buildings and roads Pixies numbers : 1993267

2018-02-26 19:43:50.015409: Extract features from
image 38 " 23278900_15.tiff "
Road Pixies number : 199664
Building Pixies number : 228569
Non buildings and roads Pixies numbers : 1809783

2018-02-26 19:45:04.831131: Extract features from
image 39 " 23278945_15.tiff "
Road Pixies number : 207851
Building Pixies number : 114488
Non buildings and roads Pixies numbers : 1915677

2018-02-26 19:46:19.774587: Extract features from
image 40 " 23278960_15.tiff "
Road Pixies number : 263492
Building Pixies number : 422986
Non buildings and roads Pixies numbers : 1551538

2018-02-26 19:47:33.235140: Extract features from
image 41 " 23278975_15.tiff "
Road Pixies number : 265896

Building Pixies number : 402375
Non buildings and roads Pixies numbers : 1569745

2018-02-26 19:48:46.949971: Extract features from
image 42 " 23278990_15.tiff "
Road Pixies number : 308830
Building Pixies number : 626820
Non buildings and roads Pixies numbers : 1302366

2018-02-26 19:50:01.109895: Extract features from
image 43 " 23279005_15.tiff "
Road Pixies number : 266008
Building Pixies number : 434087
Non buildings and roads Pixies numbers : 1537921

2018-02-26 19:51:15.569015: Extract features from
image 44 " 23279020_15.tiff "
Road Pixies number : 305800
Building Pixies number : 683236
Non buildings and roads Pixies numbers : 1248980

2018-02-26 19:52:29.076286: Extract features from
image 45 " 23279140_15.tiff "
Road Pixies number : 218207
Building Pixies number : 294816
Non buildings and roads Pixies numbers : 1724993

2018-02-26 19:53:42.292004: Extract features from
image 46 " 23279155_15.tiff "
Road Pixies number : 215400
Building Pixies number : 257530
Non buildings and roads Pixies numbers : 1765086

2018-02-26 19:54:55.646016: Extract features from
image 47 " 23279170_15.tiff "
Road Pixies number : 194381
Building Pixies number : 163847

Non buildings and roads Pixies numbers : 1879788

2018-02-26 19:56:09.667218: Extract features from
image 48 " 23428915_15.tiff "

Road Pixies number : 195974

Building Pixies number : 290905

Non buildings and roads Pixies numbers : 1751137

2018-02-26 19:57:23.173995: Extract features from
image 49 " 23428930_15.tiff "

Road Pixies number : 248992

Building Pixies number : 375289

Non buildings and roads Pixies numbers : 1613735

2018-02-26 19:58:37.940361: Extract features from
image 50 " 23428945_15.tiff "

Road Pixies number : 258015

Building Pixies number : 315689

Non buildings and roads Pixies numbers : 1664312

2018-02-26 19:59:52.864681: Extract features from
image 51 " 23428960_15.tiff "

Road Pixies number : 256095

Building Pixies number : 446623

Non buildings and roads Pixies numbers : 1535298

2018-02-26 20:01:07.061437: Extract features from
image 52 " 23428975_15.tiff "

Road Pixies number : 274068

Building Pixies number : 423017

Non buildings and roads Pixies numbers : 1540931

2018-02-26 20:02:21.011349: Extract features from
image 53 " 23428990_15.tiff "

Road Pixies number : 388434

Building Pixies number : 668982

Non buildings and roads Pixies numbers : 1180600

2018-02-26 20:03:35.838467: Extract features from
image 54 " 23429005_15.tiff "
Road Pixies number : 245636
Building Pixies number : 358473
Non buildings and roads Pixies numbers : 1633907

2018-02-26 20:04:50.857090: Extract features from
image 55 " 23429095_15.tiff "
Road Pixies number : 251882
Building Pixies number : 253094
Non buildings and roads Pixies numbers : 1733040

2018-02-26 20:06:04.476838: Extract features from
image 56 " 23429125_15.tiff "
Road Pixies number : 195395
Building Pixies number : 112861
Non buildings and roads Pixies numbers : 1929760

2018-02-26 20:07:18.116445: Extract features from
image 57 " 23429140_15.tiff "
Road Pixies number : 155921
Building Pixies number : 176573
Non buildings and roads Pixies numbers : 1905522

2018-02-26 20:08:32.012929: Extract features from
image 58 " 23578930_15.tiff "
Road Pixies number : 253427
Building Pixies number : 472004
Non buildings and roads Pixies numbers : 1512585

2018-02-26 20:09:45.787096: Extract features from
image 59 " 23578945_15.tiff "
Road Pixies number : 269890
Building Pixies number : 497983
Non buildings and roads Pixies numbers : 1470143

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2018-02-26 20:10:58.865182: Extract features from
image 60 " 23578975_15.tiff "
Road Pixies number : 252108
Building Pixies number : 515851
Non buildings and roads Pixies numbers : 1470057
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-----
2018-02-26 20:12:13.471707: Extract features from
image 61 " 23578990_15.tiff "
Road Pixies number : 346137
Building Pixies number : 544278
Non buildings and roads Pixies numbers : 1347601
-----
-----
2018-02-26 20:13:28.247405: Extract features from
image 62 " 23579020_15.tiff "
Road Pixies number : 349181
Building Pixies number : 318209
Non buildings and roads Pixies numbers : 1570626
-----
-----
2018-02-26 20:14:42.358642: Extract features from
image 63 " 23579035_15.tiff "
Road Pixies number : 240418
Building Pixies number : 369339
Non buildings and roads Pixies numbers : 1628259
-----
-----
2018-02-26 20:15:57.682558: Extract features from
image 64 " 23579065_15.tiff "
Road Pixies number : 242895
Building Pixies number : 366871
Non buildings and roads Pixies numbers : 1628250
-----
-----
2018-02-26 20:17:10.682482: Extract features from
image 65 " 23579080_15.tiff "
Road Pixies number : 269238
Building Pixies number : 504527
Non buildings and roads Pixies numbers : 1464251
-----
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```

2018-02-26 20:18:24.750278: Extract features from
image 66 " 23579095_15.tiff "
Road Pixies number : 294170
Building Pixies number : 313320
Non buildings and roads Pixies numbers : 1630526

2018-02-26 20:19:38.306371: Extract features from
image 67 " 23728945_15.tiff "
Road Pixies number : 139658
Building Pixies number : 174855
Non buildings and roads Pixies numbers : 1923503

2018-02-26 20:20:54.424926: Extract features from
image 68 " 23728960_15.tiff "
Road Pixies number : 202907
Building Pixies number : 301705
Non buildings and roads Pixies numbers : 1733404

2018-02-26 20:22:10.024766: Extract features from
image 69 " 23728975_15.tiff "
Road Pixies number : 213680
Building Pixies number : 282793
Non buildings and roads Pixies numbers : 1741543

2018-02-26 20:23:26.425729: Extract features from
image 70 " 23728990_15.tiff "
Road Pixies number : 275791
Building Pixies number : 617099
Non buildings and roads Pixies numbers : 1345126

2018-02-26 20:24:44.866134: Extract features from
image 71 " 23729005_15.tiff "
Road Pixies number : 258841
Building Pixies number : 324560
Non buildings and roads Pixies numbers : 1654615

2018-02-26 20:26:03.701259: Extract features from

```
image 72 " 23729050_15.tiff "
Road Pixies number : 134161
Building Pixies number : 418028
Non buildings and roads Pixies numbers : 1685827
-----
-----
2018-02-26 20:27:18.147260: Extract features from
image 73 " 23729065_15.tiff "
Road Pixies number : 270633
Building Pixies number : 550103
Non buildings and roads Pixies numbers : 1417280
-----
-----
2018-02-26 20:28:37.956998: Extract features from
image 74 " 23729080_15.tiff "
Road Pixies number : 279947
Building Pixies number : 418846
Non buildings and roads Pixies numbers : 1539223
-----
-----
2018-02-26 20:29:51.879863: Extract features from
image 75 " 23729095_15.tiff "
Road Pixies number : 241173
Building Pixies number : 376176
Non buildings and roads Pixies numbers : 1620667
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-----
2018-02-26 20:31:05.417615: Extract features from
image 76 " 23878990_15.tiff "
Road Pixies number : 133758
Building Pixies number : 342011
Non buildings and roads Pixies numbers : 1762247
-----
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2018-02-26 20:32:19.074724: Extract features from
image 77 " 23879020_15.tiff "
Road Pixies number : 279228
Building Pixies number : 268312
Non buildings and roads Pixies numbers : 1690476
-----
-----
2018-02-26 20:33:32.015634: Extract features from
image 78 " 23879035_15.tiff "
```

Road Pixies number : 221952
Building Pixies number : 367856
Non buildings and roads Pixies numbers : 1648208

2018-02-26 20:34:46.384817: Extract features from
image 79 " 23879050_15.tiff "

Road Pixies number : 254837
Building Pixies number : 526078
Non buildings and roads Pixies numbers : 1457101

2018-02-26 20:36:01.030173: Extract features from
image 80 " 23879065_15.tiff "

Road Pixies number : 293724
Building Pixies number : 350264
Non buildings and roads Pixies numbers : 1594028

2018-02-26 20:37:14.884189: Extract features from
image 81 " 23879095_15.tiff "

Road Pixies number : 235297
Building Pixies number : 243459
Non buildings and roads Pixies numbers : 1759260

2018-02-26 20:38:28.220224: Extract features from
image 82 " 23879110_15.tiff "

Road Pixies number : 100448
Building Pixies number : 110458
Non buildings and roads Pixies numbers : 2027110

2018-02-26 20:39:41.838075: Extract features from
image 83 " 24029050_15.tiff "

Road Pixies number : 105522
Building Pixies number : 180465
Non buildings and roads Pixies numbers : 1952029

2018-02-26 20:40:55.182324: Extract features from
image 84 " 24029065_15.tiff "

Road Pixies number : 261052

Building Pixies number : 374075
Non buildings and roads Pixies numbers : 1602889

2018-02-26 20:42:08.686662: Extract features from
image 85 " 24029080_15.tiff "
Road Pixies number : 238965
Building Pixies number : 357703
Non buildings and roads Pixies numbers : 1641348

2018-02-26 20:43:23.101043: Extract features from
image 86 " 24179020_15.tiff "
Road Pixies number : 67440
Building Pixies number : 104035
Non buildings and roads Pixies numbers : 2066541

2018-02-26 20:44:39.327719: Extract features from
image 87 " 24179035_15.tiff "
Road Pixies number : 134784
Building Pixies number : 189471
Non buildings and roads Pixies numbers : 1913761

2018-02-26 20:45:55.543215: Extract features from
image 88 " 24179050_15.tiff "
Road Pixies number : 153332
Building Pixies number : 213649
Non buildings and roads Pixies numbers : 1871035

2018-02-26 20:47:09.027781: Extract features from
image 89 " 24179080_15.tiff "
Road Pixies number : 134113
Building Pixies number : 159636
Non buildings and roads Pixies numbers : 1944267

2018-02-26 20:48:22.450126: Extract features from
image 90 " 24328840_15.tiff "
Road Pixies number : 146715
Building Pixies number : 74465

Non buildings and roads Pixies numbers : 2016836

2018-02-26 20:49:35.689301: Extract features from
image 91 " 24328855_15.tiff "

Road Pixies number : 175712

Building Pixies number : 193807

Non buildings and roads Pixies numbers : 1868497

2018-02-26 20:50:49.363332: Extract features from
image 92 " 24329020_15.tiff "

Road Pixies number : 90635

Building Pixies number : 123808

Non buildings and roads Pixies numbers : 2023573

2018-02-26 20:52:02.190212: Extract features from
image 93 " 24329035_15.tiff "

Road Pixies number : 160524

Building Pixies number : 238025

Non buildings and roads Pixies numbers : 1839467

2018-02-26 20:53:17.530100: Extract features from
image 94 " 24478840_15.tiff "

Road Pixies number : 171818

Building Pixies number : 173989

Non buildings and roads Pixies numbers : 1892209

2018-02-26 20:54:40.357754: Extract features from
image 95 " 24478870_15.tiff "

Road Pixies number : 85507

Building Pixies number : 87833

Non buildings and roads Pixies numbers : 2064676

2018-02-26 20:55:55.461987: Extract features from
image 96 " 24478885_15.tiff "

Road Pixies number : 147410

Building Pixies number : 157942

Non buildings and roads Pixies numbers : 1932664

2018-02-26 20:57:09.214328: Extract features from
image 97 " 24479005_15.tiff "
Road Pixies number : 67536
Building Pixies number : 222512
Non buildings and roads Pixies numbers : 1947968

2018-02-26 20:58:24.763550: airs-dataset/Train.csv
linesCount: 1000264
2018-02-26 20:58: Train data CSV file complete.

2018-02-26 20:58: writing test Data File in CVS
file with 800000 line
2018-02-26 20:58:25.156829: Extract features from
image 1 " 23429080_15.tiff "
Road Pixies number : 298347
Building Pixies number : 447137
Non buildings and roads Pixies numbers : 1492532

2018-02-26 22:29:17.157918: airs-dataset/Test.csv
linesCount: 800004
2018-02-26 22:29: Test data CSV file complete.
Total time the process takes : 218.27532807191213
Minutes

Process finished with exit code 0