```
1 C:\Users\u20a4sebbe\u20a4AppData\u20a4Local\u20a4Microsoft\u20a4WindowsApps\u20a4python.exe C
   :/Users/sebbe/Desktop/MED3-local/MTA20334-3rd-Semester-Project-
   Program/HandTracking/DataSetManager.py
2 Image Directory:
3 FeatureImages/A
 4 Save Path:
 5 Binarized_Pictures/Binarized_A
  +----+
7 | Image Loop Started.
8 | Directory: FeatureImages/A
  Save Path: Binarized_Pictures/Binarized_A
10 +-----
11 | Images in Directory: 9
12 +-----
13 11% | 1/9 [00:28<03:46, 28.28s/it] The gesture is: A
14 The gesture is: A
15
   33%
                | 3/9 [01:28<02:56, 29.35s/it]The gesture is: C
16 The gesture is: A
6/9 [02:54<01:27, 29.10s/it]The gesture is: A
18 67%
19 The gesture is: A
20 89%
                 | 8/9 [04:58<00:45, 45.07s/it]The gesture is: A
21 The gesture is: C
22 100% | 9/9 [05:58<00:00, 39.89s/it]
23 +-----+
24 Images tested: 9
25 Execution time: 369.37 seconds
26 +-----+
27 Elements in Compactness [72, 76, 67, 68, 62, 73, 65, 71, 66]
28 Avg. Compactness 68.8888888888889
29 Min 62
30 Max 76
31 +-----+
32 Elements in Aspect Ratio [1.089700996677741, 1.3560830860534125, 0.
   9794117647058823, 1.36, 1.181556195965418, 1.2552631578947369, 1.
   132258064516129, 1.3797606093579977, 0.9777983348751156]
```

- 33 Avg. Aspect Ratio 1.1902035788940482
- 34 Min 0.9777983348751156
- 35 Max 1.3797606093579977
- 36 +-----+
- 37 Elements in Max Height [0.9047619047619048, 0.7505720823798627, 1. 0317460317460319, 0.7560975609756098, 0.8084577114427861, 0. 8135964912280702, 0.8604826546003017, 0.7326649958228906, 0. 9751243781094527]
- 38 Elements in Horizontal Ratio [266.86046511627904, 330.66765578635017, 236.25, 328.5857142857143, 295.4178674351585, 306.0, 272. 68548387096774, 332.13819368879217, 237.07215541165587]
- 39 Elements in Vertical Ratio [221.5701219512195, 183.01969365426694, 248 .87387387387386, 182.67857142857142, 202.1341463414634, 198. 333333333333334, 207.23290598290598, 176.36829652996846, 236. 42384105960264]
- 40 Elements in Max Height Diff [0.9894736842105263, 1.0123456790123457, 1.0620915032679739, 1.0, 0.9692307692307692, 1.0081521739130435, 0. 9588080631025416, 1.040332147093713, 1.0061601642710472]
- 41 +----+
- 42 Compactness Dataset [72, 76, 67, 68, 62, 73, 65, 71, 66]
- 43 Aspect Ratio Dataset [1.089700996677741, 1.3560830860534125, 0. 9794117647058823, 1.36, 1.181556195965418, 1.2552631578947369, 1. 132258064516129, 1.3797606093579977, 0.9777983348751156]
- 44 Histogram Max Height Relation Dataset [0.9047619047619048, 0. 7505720823798627, 1.0317460317460319, 0.7560975609756098, 0. 8084577114427861, 0.8135964912280702, 0.8604826546003017, 0. 7326649958228906, 0.9751243781094527]
- 45 Histogram Hori Dataset [266.86046511627904, 330.66765578635017, 236. 25, 328.5857142857143, 295.4178674351585, 306.0, 272.68548387096774 , 332.13819368879217, 237.07215541165587]
- 46 Histogram Vert Dataset [221.5701219512195, 183.01969365426694, 248. 87387387387386, 182.67857142857142, 202.1341463414634, 198. 33333333333334, 207.23290598290598, 176.36829652996846, 236. 42384105960264]
- 47 Histogram Max Height Diff Dataset [0.9894736842105263, 1. 0123456790123457, 1.0620915032679739, 1.0, 0.9692307692307692, 1.

