```
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/B
 4 Save Path:
 5 Binarized_Pictures/Binarized_B
 6 +-----
 7 | Image Loop Started.
 8 | Directory: FeatureImages/B
  Save Path: Binarized_Pictures/Binarized_B
10 +-----
11 | Images in Directory: 10
12 +-----
13 10% | 1/10 [00:31<04:47, 31.96s/it] The gesture is: B
14 The gesture is: B
15
   30%
                | 3/10 [02:31<05:04, 43.54s/it]The gesture is: B
16 The gesture is: A
17 50% | 5/10 [03:35<03:08, 37.63s/it] The gesture is: B
18 The gesture is: B
                | 7/10 [04:39<01:43, 34.65s/it]The gesture is: B
19 70%
20 The gesture is: B
21 90%
                    | 9/10 [07:00<00:52, 52.66s/it]The gesture is: B
22 The gesture is: B
23 100%
                     | 10/10 [08:09<00:00, 48.92s/it]
24 +-----+
25 Images tested: 10
26 Execution time: 500.99 seconds
27 +-----+
28 Elements in Compactness [73, 70, 73, 62, 63, 64, 71, 72, 76, 67]
29 Avg. Compactness 69.1
30 Min 62
31 Max 76
32 +-----+
33 Elements in Aspect Ratio [2.236220472440945, 2.2051282051282053, 2.
   1722054380664653, 1.478589420654912, 1.8266331658291457, 1.
```

- 33 8865030674846626, 1.978319783197832, 1.8912855910267472, 2. 209062821833162, 1.983890954151177]
- 34 Avg. Aspect Ratio 1.9867838919813257
- 35 Min 1.478589420654912
- 36 Max 2.236220472440945
- 37 +-----+
- 38 Elements in Max Height [0.4524236983842011, 0.443333333333333333333, 0. 45874125874125876, 0.6025408348457351, 0.4978601997146933, 0. 5091514143094842, 0.4924137931034483, 0.5141552511415525, 0. 4580552907530982, 0.46591661151555264]
- 39 Elements in Horizontal Ratio [559.1929133858267, 560.4395604395604, 550.8308157099698, 353.9168765743073, 449.13316582914575, 470. 10736196319016, 501.0162601626016, 481.8377911993098, 550. 9680741503605, 477.453531598513]
- 40 Elements in Vertical Ratio [113.13380281690141, 112.67441860465117, 116.32823365785814, 144.22487223168653, 122.414030261348, 126. 8780487804878, 124.70547945205479, 130.98996350364965, 114. 24475524475524, 112.12991880074954]
- 41 Elements in Max Height Diff [1.2173913043478262, 1.2975609756097561, 1.3067729083665338, 1.2342007434944238, 1.2830882352941178, 1. 176923076923077, 1.3522727272727273, 1.33570581257414, 1. 2578534031413613, 1.193220338983051]
- 42 +----+
- 43 Compactness Dataset [73, 70, 73, 62, 63, 64, 71, 72, 76, 67]
- 44 Aspect Ratio Dataset [2.236220472440945, 2.2051282051282053, 2. 1722054380664653, 1.478589420654912, 1.8266331658291457, 1. 8865030674846626, 1.978319783197832, 1.8912855910267472, 2. 209062821833162, 1.983890954151177]
- 45 Histogram Max Height Relation Dataset [0.4524236983842011, 0. 4433333333333333336, 0.45874125874125876, 0.6025408348457351, 0. 4978601997146933, 0.5091514143094842, 0.4924137931034483, 0. 5141552511415525, 0.4580552907530982, 0.46591661151555264]
- 46 Histogram Hori Dataset [559.1929133858267, 560.4395604395604, 550. 8308157099698, 353.9168765743073, 449.13316582914575, 470. 10736196319016, 501.0162601626016, 481.8377911993098, 550. 9680741503605, 477.453531598513]

47 Histogram Vert Dataset [113.13380281690141, 112.67441860465117, 116. 32823365785814, 144.22487223168653, 122.414030261348, 126. 8780487804878, 124.70547945205479, 130.98996350364965, 114. 24475524475524, 112.12991880074954] 48 Histogram Max Height Diff Dataset [1.2173913043478262, 1. 2975609756097561, 1.3067729083665338, 1.2342007434944238, 1. 2830882352941178, 1.176923076923077, 1.3522727272727273, 1. 33570581257414, 1.2578534031413613, 1.193220338983051] 49 +-----+ 50 C, A, HMHRD, HHD, HVD, HMHDD [0.002937373653800309, 0. 04313208193355686, 0.04409414333616626, 0.27686274366932223, 0. 03443227957035472, 0.04359540943723747] 51 average 0.04212978834963116 52 average 0.001211328290385379 53 average 0.00029841984338987396 54 average 0.3020965767909238 55 average 0.07424375442442424 56 average 0.0007715658904449706 57 +-----+ 58 59 Process finished with exit code 0 60