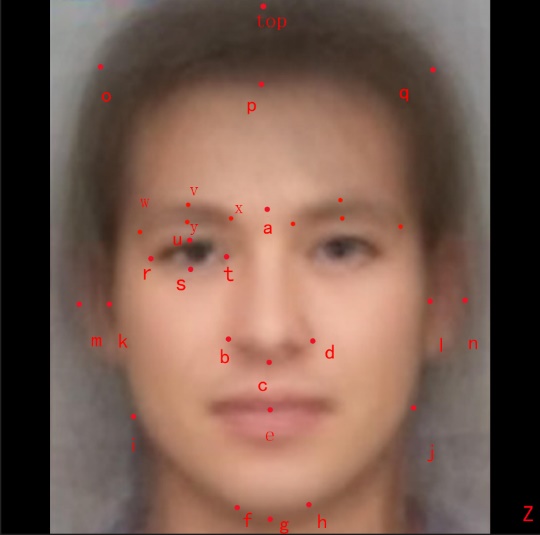
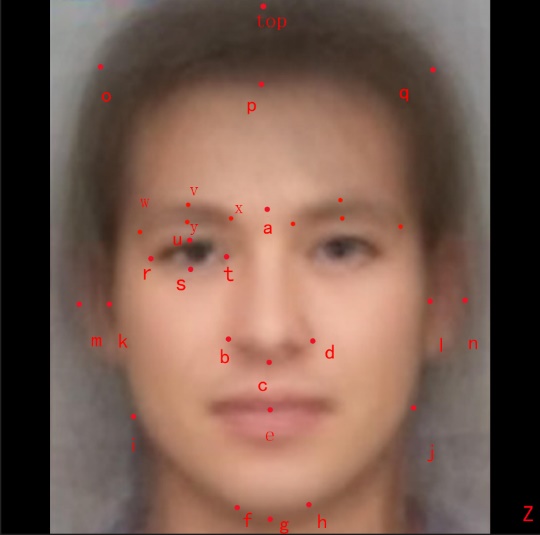
R DATA表格



|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 長度參數定義 | | | 面積參數定義 | | | 角度參數定義 | | |
| LA2 | nose |  | R1 | nose | abcd | A1 | nose | ∠abd |
| LA8 | faceL |  | R2 | faceR | aigj | A2 | faceA | ∠aig |
| LA9 | faceL |  | R3 | chin | ifgj | A3 | ear | ∠alc |
| LB3 | nose |  | R4 | faceR | okeq | A4 | nose | ∠bcd |
| LA3 | mouth |  | R5 | faceR | pkgl | A5 | chin | ∠fgh |
| LA10 | faceL |  | R6 | eye | rstu | A6 | chin | ∠hgz |
| LB5 | chin |  |  |  |  | A7 | chin | ∠igz |
| LB4 | jaw |  |  |  |  | A8 | chin | ∠jgz |
| LB2 | faceL |  |  |  |  | A9 | faceA | ∠kig |
| LB6 | ear |  |  |  |  | A10 | faceA | ∠lcz |
| LB1 | faceL |  |  |  |  | A11 | faceA | ∠lez |
| LA1 | faceL |  |  |  |  | A12 | faceA | ∠qaz |
| LA5 | faceL |  |  |  |  | A13 | faceA | ∠qpz |
| LA6 | faceL |  |  |  |  | A14 | eyebrow | ∠pwy |
| LA7 | faceL |  |  |  |  | A15 | eyebrow | ∠vwy |
| LA11 | eye |  |  |  |  | A16 | eyebrow | ∠pxy |
| LA4 | mouth |  |  |  |  | A17 | eyebrow | ∠vxy |
| LA12 | eyebrow |  |  |  |  |  |  |  |
| LB7 | eyebrow |  |  |  |  |  |  |  |

**Excel number**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | country |  |  | **27** | A1 | nose | abd |
| **2** | LA2 | nose | ac | **28** | A2 | faceA | aig |
| **3** | LA8 | faceL | ae | **29** | A3 | ear | alc |
| **4** | LA9 | faceL | ag | **30** | A4 | nose | bcd |
| **5** | LB3 | nose | bd | **31** | A5 | chin | fgh |
| **6** | LA3 | mouth | ce | **32** | A6 | chin | hgz |
| **7** | LA10 | faceL | cg | **33** | A7 | chin | igz |
| **8** | LB5 | chin | fh | **34** | A8 | chin | jgz |
| **9** | LB4 | jaw | ij | **35** | A9 | faceA | kig |
| **10** | LB2 | faceL | kl | **36** | A10 | faceA | lcz |
| **11** | LB6 | ear | mk | **37** | A11 | faceA | lez |
| **12** | LB1 | faceL | oq | **38** | A12 | faceA | qaz |
| **13** | LA1 | faceL | pa | **39** | A13 | faceA | qpz |
| **14** | LA5 | faceL | pc | **40** | A14 | eyebrow | pwy |
| **15** | LA6 | faceL | pe | **41** | A15 | eyebrow | vwy |
| **16** | LA7 |  | pg | **42** | A16 | eyebrow | pxy |
| **17** | LA11 | eye | us | **43** | A17 | eyebrow | vxy |
| **18** | LA4 | mouth | eg |  |  |  |  |
| **19** | LA12 | eyebrow | vy |  |  |  |  |
| **20** | LB7 | eyebrow | wx |  |  |  |  |
| **21** | R1 | nose | abcd |  |  |  |  |
| **22** | R2 | faceR | aigj |  |  |  |  |
| **23** | R3 | chin | ifgj |  |  |  |  |
| **24** | R4 | faceR | okeq |  |  |  |  |
| **25** | R5 | faceR | pkgl |  |  |  |  |
| **26** | R6 | eye | rstu |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Features | Japan\_c | USA\_c | Features | Japan\_c | USA\_c | Features | Japan\_c | USA\_c |
|  | mean(std) | mean(std) |  | mean(std) | mean(std) |  | mean(std) | mean(std) |
| LA2 | 0.384 | 0.408 | LA7 | 1.000 | 1.000 | A4 | 134.433 | 127.486 |
| 0.100 | 0.113 | 0.000 | 0.000 | 23.449 | 28.415 |
| LA8 | 1.306 | 0.539 | LA11 | 0.169 | 0.149 | A5\* | 144.066 | 153.260 |
| 6.708 | 0.135 | 0.077 | 0.072 | 28.418 | 24.291 |
| LA9\*\* | 0.735 | 0.794 | LA4 | 0.979 | 0.256 | A6 | 19.963 | 14.521 |
| 0.119 | 0.122 | 6.690 | 0.110 | 28.011 | 11.292 |
| LB3\*\*\* | 0.118 | 0.205 | LA12 | 0.033 | 0.093 | A7 | 149.746 | 150.289 |
| 0.062 | 0.074 | 0.016 | 0.417 | 7.261 | 12.570 |
| LA3 | 0.922 | 0.133 | LB7 | 0.241 | 0.257 | A8\* | 31.756 | 34.923 |
| 6.725 | 0.079 | 0.065 | 0.082 | 7.893 | 9.780 |
| LA10\* | 0.351 | 0.387 | R1\*\*\* | 0.022 | 0.043 | A9 | 133.888 | 131.823 |
| 0.080 | 0.104 | 0.013 | 0.022 | 11.191 | 17.804 |
| LB5\* | 0.211 | 0.274 | R2\*\* | 0.250 | 0.298 | A10\*\* | 45.238 | 51.905 |
| 0.119 | 0.173 | 0.079 | 0.100 | 10.961 | 13.859 |
| LB4\*\* | 0.667 | 0.745 | R3\*\* | 0.075 | 0.095 | A11\*\* | 50.884 | 57.286 |
| 0.141 | 0.194 | 0.036 | 0.048 | 10.370 | 12.953 |
| LB2 | 0.815 | 0.847 | R4 | 0.780 | 0.430 | A12 | 90.006 | 87.246 |
| 0.128 | 0.214 | 2.311 | 0.183 | 11.027 | 13.214 |
| LB6 | 0.133 | 0.113 | R5 | 0.406 | 0.424 | A13\*\* | 72.217 | 65.383 |
| 0.111 | 0.052 | 0.062 | 0.107 | 12.169 | 14.268 |
| LB1\*\* | 0.849 | 0.743 | R6 | 0.017 | 0.016 | A14\*\* | 36.956 | 26.833 |
| 0.171 | 0.252 | 0.013 | 0.012 | 20.871 | 17.514 |
| LA1\*\* | 0.275 | 0.212 | A1\*\*\* | 80.567 | 72.956 | A15\*\* | 15.100 | 19.533 |
| 0.096 | 0.110 | 12.010 | 9.255 | 9.209 | 9.853 |
| LA5\* | 0.650 | 0.613 | A2 | 88.063 | 87.058 | A16\* | 113.961 | 123.066 |
| 0.080 | 0.104 | 9.015 | 16.875 | 26.063 | 25.679 |
| LA6 | 1.571 | 0.745 | A3 | 47.721 | 51.712 | A17\* | 16.253 | 22.178 |
| 6.737 | 0.111 | 9.898 | 16.935 | 10.259 | 19.548 |
|  |  |  |  |  |  |  |  |  |

Results:

參數統計與檢定

依照國別所作的敘述統計與檢定，分別列如Table-, Table-, Table-.

漫畫人臉以國別而言，美國人物比日本人物長度參數較長的包含LA2, LA8, LA9, LB3, LA10, LB5, LB4, LB2, LA6, LA12, LB7角度與面積較大的包含R1, R2, R3, R5, A3, A5, A10, A11, A15, A17;美國人物比日本人物長度參數較短的參數有LA3, LB6, LB1, LA1, LA5 , LA11, LA4,角度與面積較小的包含 R4 , R6, A1 , A2, A4, A6, A7, A8, A9 , A12, A13, A14, A16;

真人人臉以國別而言，美國人物比日本人物長度參數較長的包含LA3, LB6, LA6, LA4角度與面積較大的包含R3, R4, A5, A7, A14;

美國人物比日本人物長度參數較短的參數有 LA2 , LA8, LA9, LB3, LA10, LB5, LB4, LB2, LB1, LA1, LA5, LA11, LA12, LB7角度與面積較小的包含R1, R2, R5, R6, A1, A2, A3, A4, A6, A8, A9, A10, A11, A12, A13, A15, A16, A17

;

日本以漫畫和真人來比較時，真人比漫畫人物長度參數較長的包含LA2,LA9, LA10, LB5, LB4, LB2, LA1, LA5, LA12角度與面積較大的包含R2, R3, R4, R5, A2, A3 ,A4, A8, A9, A10, A11, A12, A15, A17;

真人比漫畫人物長度參數較短的參數有LA8, LB3, LA3, LB6, LB1, LA6, LA11, LA4, LB7角度與面積較小的包含R1, R6, A1, A5, A6, A7, A13, A14, A16;

美國以漫畫和真人來比較時，真人比漫畫人物長度參數較長的包含LA2, LA9, LB3, LA10, LB5, LB4, LB2, LA4,

角度與面積較大的包含R6, A2, A4, A6, A8, A9, A12, A14, A15, A17; 真人比漫畫人物長度參數較短的參數有 LA8, LA3, LB6, LB1, LA1, LA5, LA6, LA11, LA12, LB7,角度與面積較小的包含R1, R2, R3, R4, R5, A1, A3, A5, A7, A10, A11, A13, A16;

Table-3,S1b.R [np=30, repeat 1000 times] 1/20

DT cartoon

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Features | train\_acc | sen | spe | test\_acc | sen | spe |
|  | ALL=L+R+A | 96.867 | 96.558 | 97.188 | 73.167 | 74.245 | 72.347 |
|  |  | 1.293 | 2.394 | 1.992 | 8.032 | 11.910 | 12.450 |
|  | L | 96.033 | 97.005 | 95.043 | 72.600 | 74.790 | 70.798 |
|  |  | 1.451 | 2.003 | 2.495 | 7.194 | 10.559 | 11.426 |
|  | R | 94.583 | 95.274 | 93.844 | 71.500 | 72.249 | 71.100 |
|  |  | 1.414 | 2.536 | 3.074 | 6.537 | 11.929 | 10.412 |
|  | A | 96.083 | 95.716 | 96.430 | 66.033 | 65.995 | 66.534 |
|  |  | 1.353 | 2.357 | 2.024 | 7.086 | 11.060 | 12.506 |
|  | L+R | 96.433 | 96.347 | 96.504 | 74.433 | 74.729 | 74.497 |
|  |  | 1.254 | 2.226 | 2.422 | 6.497 | 10.194 | 9.999 |
|  | L+A | 96.492 | 96.328 | 96.663 | 73.433 | 74.118 | 72.873 |
|  |  | 1.294 | 2.066 | 2.042 | 7.835 | 11.583 | 12.437 |
|  | R+A | 96.033 | 95.817 | 96.240 | 75.267 | 77.360 | 73.565 |
|  |  | 1.197 | 2.265 | 2.066 | 7.494 | 10.926 | 11.345 |
|  | single F1 |  |  |  |  |  |  |
|  | 1 |  |  |  |  |  |  |
| LA2 | 2 | 86.217 | 86.473 | 85.874 | 54.300 | 55.149 | 53.794 |
|  |  | 1.668 | 3.978 | 3.842 | 8.506 | 14.460 | 13.675 |
| LA8 | 3 | 87.458 | 85.229 | 89.615 | 54.767 | 54.068 | 56.421 |
|  |  | 1.586 | 3.958 | 3.484 | 8.492 | 12.839 | 14.262 |
| LA9 | 4 | 86.792 | 82.898 | 90.598 | 57.700 | 58.495 | 58.119 |
|  |  | 1.660 | 3.998 | 3.520 | 8.188 | 12.685 | 14.747 |
| LB3 | 5 | 90.058 | 90.624 | 89.448 | 69.833 | 67.625 | 73.070 |
|  |  | 1.625 | 3.097 | 3.152 | 7.616 | 12.057 | 12.405 |
| LA3 | 6 | 84.408 | 84.239 | 84.445 | 54.567 | 54.238 | 55.423 |
|  |  | 1.701 | 3.380 | 4.015 | 7.937 | 12.971 | 13.942 |
| LA10 | 7 | 86.508 | 87.693 | 85.221 | 56.300 | 55.675 | 57.833 |
|  |  | 1.682 | 3.944 | 3.847 | 8.136 | 12.780 | 13.823 |
| LB5 | 8 | 84.625 | 86.369 | 82.866 | 56.367 | 57.397 | 55.296 |
|  |  | 1.817 | 3.539 | 4.342 | 7.264 | 12.732 | 11.694 |
| LB4 | 9 | 85.183 | 83.406 | 86.886 | 56.800 | 55.652 | 58.471 |
|  |  | 1.673 | 3.623 | 3.702 | 7.042 | 13.168 | 11.029 |
| LB2 | 10 | 86.950 | 87.599 | 86.252 | 60.667 | 62.006 | 59.685 |
|  |  | 1.750 | 3.555 | 3.925 | 7.857 | 11.756 | 13.819 |
| LB6 | 11 | 84.667 | 87.402 | 81.856 | 47.067 | 47.735 | 46.812 |
|  |  | 1.667 | 3.627 | 3.747 | 8.141 | 12.983 | 12.782 |
| LB1 | 12 | 86.325 | 89.221 | 83.369 | 57.233 | 59.085 | 55.681 |
|  |  | 1.633 | 3.328 | 4.066 | 8.316 | 16.210 | 12.176 |
| LA1 | 13 | 87.433 | 84.252 | 90.515 | 58.267 | 57.630 | 59.509 |
|  |  | 1.727 | 4.021 | 3.790 | 8.294 | 14.135 | 14.240 |
| LA5 | 14 | 86.642 | 88.926 | 84.277 | 58.100 | 54.887 | 61.690 |
|  |  | 1.726 | 3.239 | 3.701 | 8.237 | 13.618 | 13.746 |
| LA6 | 15 | 87.292 | 89.848 | 84.652 | 66.133 | 70.675 | 62.590 |
|  |  | 1.734 | 3.202 | 3.609 | 7.366 | 12.102 | 11.036 |
| LA7 | 16 LA7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|  |  | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LA11 | 17 | 84.833 | 86.959 | 82.644 | 51.133 | 53.701 | 48.528 |
|  |  | 1.761 | 3.958 | 4.236 | 8.154 | 14.272 | 13.465 |
| LA4 | 18 | 86.650 | 88.395 | 84.832 | 59.867 | 59.194 | 61.462 |
|  |  | 1.645 | 3.606 | 4.075 | 8.474 | 13.449 | 13.099 |
| LA12 | 19 | 86.233 | 86.515 | 85.859 | 60.167 | 60.116 | 60.898 |
|  |  | 1.669 | 3.410 | 3.906 | 9.081 | 14.229 | 13.286 |
| LB7 | 20 | 85.650 | 83.244 | 88.010 | 50.367 | 49.022 | 52.442 |
|  |  | 1.852 | 3.740 | 3.968 | 7.594 | 12.903 | 12.884 |
| R1 | 21 | 89.908 | 88.867 | 90.877 | 69.367 | 70.252 | 69.025 |
|  |  | 1.474 | 3.169 | 3.036 | 7.909 | 13.778 | 12.753 |
| R2 | 22 | 86.075 | 85.039 | 87.095 | 57.833 | 56.071 | 59.364 |
|  |  | 1.847 | 3.768 | 3.325 | 7.833 | 14.186 | 13.687 |
| R3 | 23 | 85.833 | 85.326 | 86.273 | 50.033 | 52.882 | 48.346 |
|  |  | 1.877 | 3.441 | 4.046 | 8.375 | 13.930 | 12.748 |
| R4 | 24 | 85.508 | 86.764 | 84.179 | 60.767 | 61.476 | 60.531 |
|  |  | 1.679 | 3.563 | 3.505 | 9.012 | 14.667 | 14.875 |
| R5 | 25 | 87.308 | 89.226 | 85.295 | 63.900 | 64.945 | 63.382 |
|  |  | 1.571 | 3.230 | 3.215 | 7.971 | 12.815 | 11.314 |
| R6 | 26 | 85.800 | 84.672 | 86.806 | 49.400 | 49.179 | 50.588 |
|  |  | 1.850 | 4.086 | 4.109 | 7.718 | 12.243 | 13.122 |
| A1 | 27 | 90.058 | 90.087 | 89.961 | 67.333 | 67.189 | 67.841 |
|  |  | 1.504 | 3.135 | 3.437 | 6.931 | 11.313 | 11.357 |
| A2 | 28 | 84.850 | 88.910 | 80.732 | 57.233 | 61.475 | 53.528 |
|  |  | 1.613 | 3.669 | 3.975 | 7.957 | 13.878 | 13.118 |
| A3 | 29 | 86.500 | 88.178 | 84.780 | 62.300 | 62.865 | 62.317 |
|  |  | 1.602 | 3.105 | 3.373 | 7.102 | 12.372 | 13.864 |
| A4 | 30 | 85.100 | 88.528 | 81.629 | 51.333 | 52.366 | 50.602 |
|  |  | 1.770 | 3.446 | 4.352 | 8.977 | 12.607 | 14.377 |
| A5 | 31 | 85.175 | 85.873 | 84.368 | 57.433 | 60.099 | 55.845 |
|  |  | 1.362 | 3.711 | 3.505 | 7.549 | 13.603 | 12.230 |
| A6 | 32 | 84.192 | 82.684 | 85.645 | 46.800 | 46.920 | 47.407 |
|  |  | 1.802 | 4.145 | 3.711 | 8.671 | 12.175 | 13.571 |
| A7 | 33 | 85.483 | 87.152 | 83.672 | 50.567 | 53.710 | 48.581 |
|  |  | 1.816 | 4.040 | 4.295 | 9.488 | 15.959 | 14.738 |
| A8 | 34 | 85.767 | 85.656 | 85.775 | 50.733 | 53.620 | 48.605 |
|  |  | 1.775 | 4.251 | 3.800 | 8.363 | 13.647 | 13.894 |
| A9 | 35 | 86.050 | 85.344 | 86.737 | 57.833 | 56.785 | 59.292 |
|  |  | 1.775 | 4.192 | 3.676 | 8.156 | 12.915 | 13.854 |
| A10 | 36 | 85.350 | 85.732 | 84.867 | 57.933 | 57.967 | 58.728 |
|  |  | 1.809 | 4.062 | 3.551 | 7.709 | 10.980 | 12.428 |
| A11 | 37 | 85.308 | 86.363 | 84.145 | 52.633 | 54.899 | 51.083 |
|  |  | 1.803 | 3.744 | 4.092 | 7.904 | 14.060 | 11.555 |
| A12 | 38 | 88.083 | 89.486 | 86.610 | 57.133 | 60.028 | 55.247 |
|  |  | 1.626 | 2.987 | 3.911 | 7.828 | 12.923 | 13.031 |
| A13 | 39 | 83.367 | 80.868 | 85.688 | 49.767 | 48.923 | 51.245 |
|  |  | 1.982 | 4.541 | 4.159 | 7.405 | 12.209 | 13.468 |
| A14 | 40 | 85.667 | 86.756 | 84.512 | 50.000 | 52.549 | 48.676 |
|  |  | 1.753 | 3.866 | 4.067 | 8.528 | 14.889 | 13.288 |
| A15 | 41 | 86.158 | 90.159 | 82.052 | 55.033 | 56.492 | 53.589 |
|  |  | 1.691 | 3.652 | 4.222 | 7.864 | 13.047 | 12.311 |
| A16 | 42 | 85.117 | 84.870 | 85.326 | 53.933 | 55.736 | 53.206 |
|  |  | 1.503 | 3.361 | 3.196 | 8.211 | 13.064 | 15.813 |
| A17 | 43 | 86.767 | 86.420 | 87.058 | 56.700 | 55.937 | 57.740 |
|  |  | 1.713 | 3.389 | 3.558 | 6.808 | 13.178 | 12.501 |

Nose.index=c(1,2,5,21,27,30)

Eye.index=c(1,17,26)

Eyebrow.index=c(1,19,20,40,41,42,43)

Ear.index=c(1,11,29)

Mouth.index=c(1,6,18)

Face.index=c(1,3,4,7,10,12,13,14,15,22,24,25,28,35,36,37,38,39)

FaceL.index=c(1,15,13,4,10,12,7,14,3)

FaceR.index=c(1,24,22,25)

FaceA.index=c(1,28,36,35,37,38,39)

Chin.index=c(1,8,9,23,31,32,33,34)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Features | train\_acc | sen | spe | test\_acc | sen | spe |
| *nose\_all*  5,21,27,30,2 | 95.108 | 94.625 | 95.570 | 73.733 | 72.088 | 75.710 |
|  | 1.420 | 2.573 | 2.191 | 7.673 | 11.928 | 13.126 |
| *eye\_all*  *17,26* | 89.075 | 88.846 | 89.295 | 58.333 | 57.989 | 59.184 |
|  | 1.780 | 3.063 | 3.366 | 7.850 | 13.226 | 12.775 |
| *eyebrow\_all*  *43,19,42,41,40,20* | 93.525 | 93.771 | 93.278 | 60.900 | 62.128 | 60.099 |
|  | 1.593 | 2.900 | 2.355 | 7.696 | 13.097 | 12.435 |
| *ear\_all*  *11,29* | 90.392 | 90.425 | 90.287 | 55.867 | 57.629 | 54.410 |
|  | 1.878 | 3.279 | 3.865 | 8.000 | 13.237 | 12.790 |
| *mouth\_all*  *18,6* | 90.342 | 89.705 | 90.943 | 63.667 | 64.508 | 63.862 |
|  | 1.820 | 3.206 | 3.188 | 7.921 | 13.002 | 12.324 |
| *faceL\_all*  15,13,4,10,12,7,  14,3 | 93.033 | 92.447 | 93.587 | 60.100 | 59.855 | 60.411 |
|  | 1.626 | 2.834 | 2.575 | 8.481 | 13.735 | 14.378 |
| *faceR\_all*  24,22,25 | 92.633 | 94.150 | 91.067 | 64.700 | 65.771 | 64.355 |
|  | 1.520 | 2.783 | 2.972 | 7.972 | 11.656 | 13.527 |
| *faceA\_all*  28,36,35,37,38,39 | 93.625 | 93.402 | 93.814 | 62.533 | 62.041 | 63.766 |
|  | 1.677 | 2.796 | 2.785 | 8.543 | 14.097 | 13.929 |
| *chin\_all*  *8,9,34,31,23,33,32* | 94.508 | 95.014 | 93.973 | 68.200 | 68.944 | 67.515 |
|  | 1.616 | 2.638 | 2.629 | 8.507 | 12.022 | 12.818 |

SVM

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Features | train\_acc | sen | spe | test\_acc | sen | spe |
|  | ALL=L+R+A |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | L |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | R |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | A |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | L+R |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | L+A |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | R+A |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | single F1 |  |  |  |  |  |  |
|  | 1 |  |  |  |  |  |  |
| LA2 | 2 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LA8 | 3 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LA9 | 4 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LB3 | 5 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LA3 | 6 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LA10 | 7 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LB5 | 8 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LB4 | 9 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LB2 | 10 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LB6 | 11 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LB1 | 12 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LA1 | 13 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LA5 | 14 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LA6 | 15 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LA7 | 16 LA7 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LA11 | 17 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LA4 | 18 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LA12 | 19 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| LB7 | 20 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| R1 | 21 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| R2 | 22 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| R3 | 23 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| R4 | 24 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| R5 | 25 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| R6 | 26 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A1 | 27 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A2 | 28 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A3 | 29 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A4 | 30 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A5 | 31 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A6 | 32 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A7 | 33 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A8 | 34 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A9 | 35 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A10 | 36 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A11 | 37 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A12 | 38 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A13 | 39 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A14 | 40 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A15 | 41 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A16 | 42 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| A17 | 43 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

SVM 五官

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Features | train\_acc | sen | spe | test\_acc | sen | spe |
| *nose\_all*  5,21,27,30,2 | 94.96833 | 94.87364 | 95.03070 | 72.80000 | 72.07068 | 74.14595 |
|  |  |  |  |  |  |  |
| *eye\_all*  *17,26* |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| *eyebrow\_all*  *43,19,42,41,40,20* |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| *ear\_all*  *11,29* |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| *mouth\_all*  *18,6* |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| *faceL\_all*  15,13,4,10,12,7,  14,3 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| *faceR\_all*  24,22,25 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| *faceA\_all*  28,36,35,37,38,39 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| *chin\_all*  *8,9,34,31,23,33,32* |  |  |  |  |  |  |
|  |  |  |  |  |  |  |