**warpAR10P- without pruning**

[0.66666666666666663]

[0.75]

[0.5]

[0.58333333333333337]

[0.75]

\*\*\*\*\*\*\*\*\*\*\*Final mean acc.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[ 0.65]

warpAR10P – wqith dccp

rho\_list = [10 \*\*-1,10 \*\*-2,10 \*\*1,10\*\*2]

0.5

0.75

0.875

0.75

0.666666666667

\*\*\*\*\*\*\*\*\*\*\*Final mean acc.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

0.708333333333

colon**- without pruning**

[0.69230769230769229]

[0.61538461538461542]

[0.75]

[0.69230769230769229]

[0.69230769230769229]

\*\*\*\*\*\*\*\*\*\*\*Final mean acc.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[ 0.68846154]

colon– with dccp

rho\_list = [10 \*\*1,10 \*\*2,10 \*\*3,10 \*\*-1,10 \*\*-2,10 \*\*-3]

0.692307692308

0.615384615385

0.875

0.615384615385

0.692307692308

\*\*\*\*\*\*\*\*\*\*\*Final mean acc.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

0.698076923077

Madelon-without pruning

[0.66666666666666663]

[0.875]

[0.20000000000000001]

[0.66666666666666663]

[0.375]

\*\*\*\*\*\*\*\*\*\*\*Final mean acc.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[ 0.55666667]

Mdelon- with dccp

0.583333333333

0.875

0.2

0.833333333333

0.375

\*\*\*\*\*\*\*\*\*\*\*Final mean acc.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

0.573333333333

Yale-without pruning

[0.27272727272727271]

[0.47619047619047616]

[0.35714285714285715]

[0.44444444444444442]

[0.5]

\*\*\*\*\*\*\*\*\*\*\*Final mean acc.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[ 0.41010101]

Yale-with dccp

0.242424242424

0.619047619048

0.214285714286

0.555555555556

0.5

\*\*\*\*\*\*\*\*\*\*\*Final mean acc.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

0.42619

Small\_lung without\_dccp

[0.80000000000000004]

[0.73333333333333328]

[0.90000000000000002]

[0.73333333333333328]

[0.46666666666666667]

\*\*\*\*\*\*\*\*\*\*\*Final mean acc.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[ 0.72666667]

Small\_lung with dccp

[0.80000000000000004]

[0.73333333333333328]

[0.90000000000000002]

[0.73333333333333328]

[0.5]

\*\*\*\*\*\*\*\*\*\*\*Final mean acc.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[ 0.73332]

|  |  |  |
| --- | --- | --- |
| Veri Kümesi | Ensemble Pruning | Ensemble  Without Pruning |
| Lung small | 0.726 | 0.733 |
| Madelon | 0.573 | 0.556 |
| Yale | 0.426 | 0.410 |
| WarpAR10P | 0.708 | 0.655 |
| Colon | 0.698 | 0.688 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Veri Kümesi | Tipi | Öznitelik Değeri | Öznitelik Sayısı | Örnek Sayısı | Sınıf Sayısı |
| Lung small | Bio | Discrete | 325 | 73 | 7 |
| Madelon | Artificial | Continuous | 500 | 2600 | 2 |
| Yale | Image | Continuous | 1024 | 165 | 15 |
| WarpAR10P | Image | Continuous | 2400 | 130 | 10 |
| Colon | Bio | Discrete | 2000 | 62 | 2 |

Parameter Estimation of Essential Amino

Acids in Arabidopsis thaliana Using Hybrid

of Bees Algorithm and Harmony Search