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1 "C:\Users\Mervan\Documents\Onedrive\DD2421\Lab 1\dectrees\python.exe" "C:\Users\Mervan\Documents\Onedrive\DD2421\Lab 1\dectrees/
  python/lab1.py"
2 Assignment 1
3 Dataset Entropy
4 MONK-1 1.0
5 MONK-1 0.957117428264771
6 MONK-1 0.9998061328047111
7
8 Assignment 3
9 Dataset a1 a2 a3 a4 a5 a6
10 MONK-1 0.07527255560831925 0.005838429962909286 0.00470756661729721 0.02631169650768228 0.28703074971578435
11 MONK-2 0.0037561773775118823 0.0024584986660830532 0.0010561477158920196 0.015664247292643818 0.01727717693791797
12 MONK-3 0.007120868396071844 0.29373617350838865 0.0008311140445336207 0.002891817288654397 0.25591172461972755
13
14 Assignment 5
15 E_train E_test
16 MONK-1 1.0 0.8287037037037037
17 MONK-2 1.0 0.6921296296296297
18 MONK-3 1.0 0.9444444444444444
19 Fraction Mean error (n = 10000) Standard deviation
20 -----
21 0.3 0.229 0.041
22 0.4 0.203 0.0415
23 0.5 0.18 0.0426667
24 0.6 0.162 0.04375
25 0.7 0.149 0.0446
26 0.8 0.141 0.0453333
27
28 Fraction Mean error (n = 10000) Standard deviation
29 -----
30 0.3 0.085 0.056
31 0.4 0.06 0.0495
32 0.5 0.048 0.0443333
33 0.6 0.043 0.041
34 0.7 0.042 0.0388
35 0.8 0.048 0.0375
36
37
38 Process finished with exit code 0
39
```