1 "C:\Users\Dragos\Roba\Lectures\YM1.2\Machine Learning\venv\Scripts\python.exe" "C:\Users\Dragos\Roba\ Lectures\YM1.2\Machine Learning\b Labs\Lab7\iris.py" $3 PCA_m = 1$ 4 π MVG naive MVGmin margin naiveMin margin | tied tiedMin margin 5 0.1 0.397 0.369 7.7 0.397 0.369 7.7 9.1 0.402 0.369 0.185 4.6 0.185 4.6 0.177 6 0.5 0.1770.1770.187 5.7 7 0.9 0.478 0.434 0.478 0.434 10.0 10.0 0.481 0.434 10.7 $9 \text{ PCA}_m = 2$ 10 π MVGMVGmin margin naiveMin margin naive tied tiedMin margin 9.1 11 0.1 0.388 0.353 10.0 0.387 0.356 8.6 0.396 0.363 0.176 0.173 1.7 0.179 3.5 12 0.5 0.1770.1713.5 0.185 0.479 13 0.9 0.443 0.438 1.1 0.442 0.432 2.3 0.435 10.0 14 ========== $15 \text{ PCA}_m = 3$ margin 16 π MVGMVGmin naive naiveMin tied tiedMin margin margin 17 0.1 0.388 0.356 8.9 0.395 0.365 8.4 0.408 0.368 10.9 18 0.5 0.176 0.1731.4 0.1800.175 3.0 0.185 0.183 1.1 19 0.9 0.468 0.439 6.6 0.459 0.434 5.7 0.457 0.434 5.1 20 =============== $21 PCA_m = 4$ 22 π MVG MVGmin margin naive naiveMin margin tied tiedMin margin 0.397 17.2 23 0.1 0.353 0.301 0.361 9.8 0.403 0.361 11.7 24 0.5 0.161 0.154 4.7 0.1770.1723.1 0.185 0.1821.6

25 0.9 0.460 0.415

$27 PCA_m = 5$										
28 π	MVG	MVGmin	margin	naive	naiveMin	margin	tied	tiedMin	margin	
29 0.1	0.304	0.274	11.1	0.393	0.354	10.9	0.40	0.365	11.0	
30 0.5	0.142	0.133	6.6	0.175	0.174	0.7	0.186	0.181	2.7	
31 0.9	0.398	0.351	13.3	0.466	0.434	7.4	0.46	3 0.445	3.9	
32 ====	======	=======	:=======		========	=======	=======		=======	

0.431

7.3

0.462

0.444

3.9

0.463

 $33 \text{ PCA}_m = 6$

				•					
34 π	MVG	MVGmin	margin	naive	naiveMin	margin	tied	tiedMin	margin
35 0.1	0.305	0.263	16.1	0.392	0.353	10.9	0.406	0.363	11.9
36 0.5	0.140	0.130	7.5	0.178	0.173	3.1	0.186	0.181	2.6
37 0.9	0.400	0.342	16.9	0.451	0.436	3.5	0.463	0.442	4.6

³⁹ Process finished with exit code 0

10.8