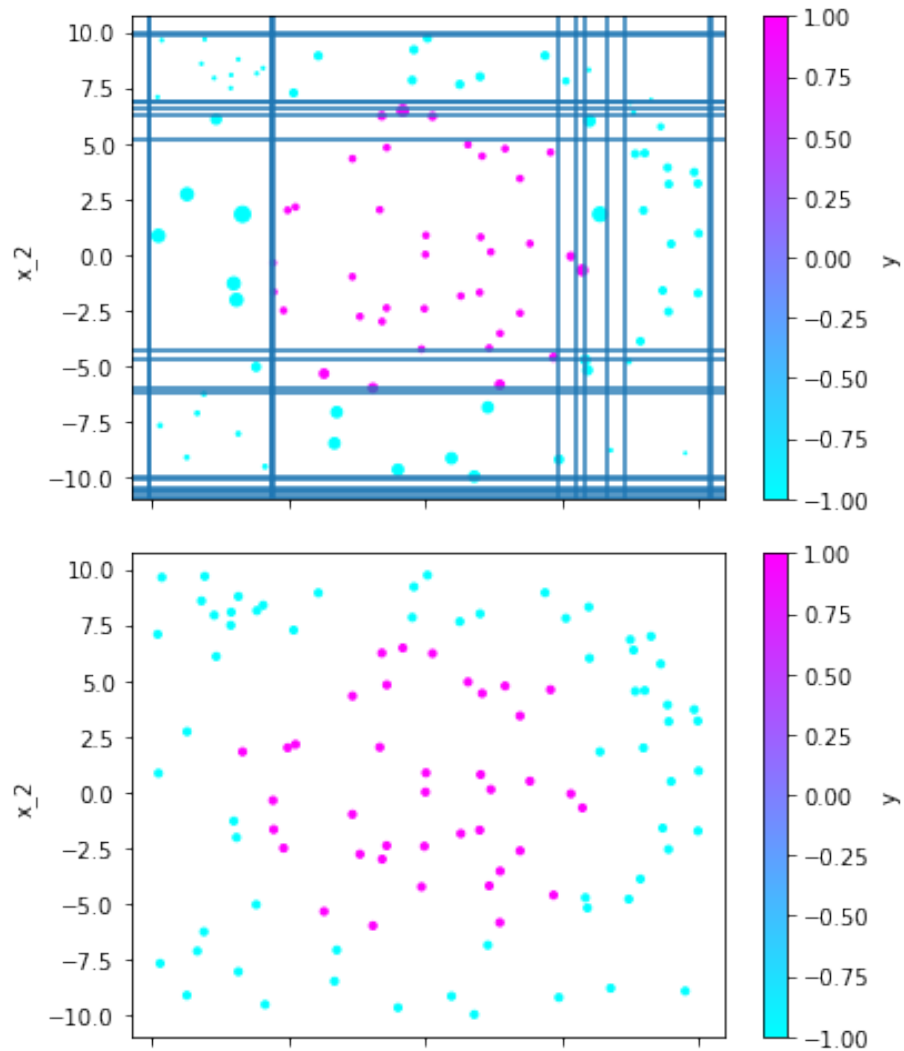


Week 05 Report

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The above graphs represent the trained model after 30 iterations. Point scale indicates the respective weights according to our distribution D . Points are colored according to the strong classifier output. Lines represent weak classifiers.

We trained 30 weak classifiers, for each picking the best from 100 random candidates.

0.24	threshold	4.86	feature x_1 parity 1
0.35	threshold	9.93	feature x_2 parity -1

0.40	threshold	6.30	feature x ₂	parity	1
0.26	threshold	10.50	feature x ₁	parity	-1
0.40	threshold	-5.59	feature x ₁	parity	-1
0.26	threshold	-10.50	feature x ₂	parity	1
0.38	threshold	6.65	feature x ₁	parity	1
0.27	threshold	-10.13	feature x ₁	parity	1
0.41	threshold	-6.02	feature x ₂	parity	-1
0.29	threshold	-10.96	feature x ₂	parity	1
0.34	threshold	5.84	feature x ₁	parity	1
0.25	threshold	5.12	feature x ₂	parity	1
0.35	threshold	10.34	feature x ₁	parity	-1
0.33	threshold	-5.61	feature x ₁	parity	-1
0.21	threshold	-10.03	feature x ₂	parity	1
0.34	threshold	-6.19	feature x ₂	parity	-1
0.25	threshold	-10.09	feature x ₁	parity	1
0.35	threshold	6.90	feature x ₂	parity	1
0.26	threshold	-10.61	feature x ₂	parity	1
0.33	threshold	5.48	feature x ₁	parity	1
0.23	threshold	-4.27	feature x ₂	parity	-1
0.31	threshold	-10.72	feature x ₂	parity	1
0.30	threshold	6.86	feature x ₂	parity	1
0.23	threshold	9.88	feature x ₂	parity	-1
0.27	threshold	-5.66	feature x ₁	parity	-1
0.18	threshold	-4.68	feature x ₂	parity	-1
0.28	threshold	-10.13	feature x ₂	parity	1
0.33	threshold	7.30	feature x ₁	parity	1
0.25	threshold	-10.92	feature x ₂	parity	1
0.27	threshold	6.58	feature x ₂	parity	1