

Table 12: Ablation 4: Adding Uncertainty Robustness Cont.

Dataset	Approach	Mean set score		
		Method 1	Method 2	Method 3
Wifi	Magix	94.32 \pm 1.42	62.92 \pm 2.10	61.80 \pm 2.05
	SLS	94.15 \pm 1.20	70.27 \pm 2.25	68.10 \pm 0.85
	Apriori	95.70 \pm 0.96	65.37 \pm 2.57	61.55 \pm 2.27
	DT	95.95 \pm 0.70	72.97 \pm 2.94	72.37 \pm 1.88
	Anchors	81.86 \pm 1.54	56.64 \pm 1.55	57.04 \pm 1.85
Statlog	Magix	97.43 \pm 0.19	85.36 \pm 0.26	19.27 \pm 0.30
	SLS	77.45 \pm 0.37	81.61 \pm 0.39	7.07 \pm 0.22
	Apriori	78.61 \pm 0.41	84.39 \pm 0.36	15.69 \pm 0.21
	DT	93.70 \pm 0.13	94.54 \pm 0.21	50.85 \pm 0.57
	Anchors	81.88 \pm 5.48	77.73 \pm 6.30	77.54 \pm 3.09
Abalone	Magix	78.98 \pm 1.30	35.95 \pm 1.25	13.83 \pm 1.33
	SLS	9.47 \pm 0.94	11.29 \pm 1.19	5.67 \pm 0.85
	Apriori	30.13 \pm 2.35	28.06 \pm 1.12	16.37 \pm 1.67
	DT	13.22 \pm 1.22	11.30 \pm 1.12	9.07 \pm 0.66
	Anchors	54.28 \pm 18.95	32.85 \pm 15.71	31.43 \pm 17.84
Character	Magix	40.84 \pm 0.44	30.02 \pm 0.66	28.87 \pm 0.64
	SLS	18.64 \pm 0.53	14.59 \pm 0.66	14.62 \pm 0.43
	Apriori	24.25 \pm 0.59	24.46 \pm 0.45	23.82 \pm 0.63
	DT	26.49 \pm 0.41	38.69 \pm 0.59	61.72 \pm 0.43
	Anchors			
Car	Magix	99.69 \pm 0.16	98.60 \pm 0.27	99.69 \pm 0.14
	SLS	90.29 \pm 1.07	91.82 \pm 0.84	90.11 \pm 1.85
	Apriori	94.07 \pm 1.48	94.13 \pm 1.39	93.41 \pm 1.18
	DT	77.11 \pm 1.64	77.08 \pm 2.28	76.85 \pm 2.01
	Anchors	81.88 \pm 5.48	77.73 \pm 6.48	77.54 \pm 3.09
Chess	Magix	72.52 \pm 0.36	69.52 \pm 0.39	47.79 \pm 0.64
	SLS	45.96 \pm 0.68	50.34 \pm 0.55	37.21 \pm 0.52
	Apriori	69.67 \pm 0.62	69.86 \pm 0.62	57.38 \pm 0.38
	DT	60.11 \pm 0.73	57.83 \pm 0.57	54.86 \pm 0.81
	Anchors			
Tic-Tac-Toe	Magix	91.87 \pm 2.73	89.42 \pm 1.94	91.40 \pm 2.17
	SLS	89.42 \pm 1.99	86.40 \pm 2.81	82.13 \pm 2.52
	Apriori	90.41 \pm 1.16	91.40 \pm 2.35	91.30 \pm 1.66
	DT	73.38 \pm 3.69	76.47 \pm 3.30	78.85 \pm 2.48
	Anchors	69.70 \pm 4.43	61.72 \pm 2.45	48.51 \pm 3.30