

Lecture Notes in Computer Science

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F. Roli, J. Kittler (Eds.):

Multiple Classifier Systems

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Discriminant Analysis and Factorial Multiple Splits in Recursive Partitioning for Data Mining

Francesco Mola and Roberta Siciliano
LNCS 2364, p. 118 ff.

Erratum

Due to an error of the Authors the following page is missing in the printed version.

Table 1. TS-DIS and CART comparison - Normal distribution

Parameters			Optimal Solution				TS-DIS					CART				
Distribution	N	p	\bar{y}_L	s_L	\bar{y}_R	s_R	\bar{y}_L	s_L	\bar{y}_R	s_R	% of error	\bar{y}_L	s_L	\bar{y}_R	s_R	% of error
N(0,10)	100	20	-7.72	4.65	6.13	5.09	-6.96	4.95	6.78	4.9	5.00	-4.52	5.89	9.23	4.27	23.00
N(0,100)	100	20	-73.22	55.56	82.07	60.53	-61.04	60.37	94.86	58.37	8.00	-17.77	80.03	173.11	58.29	38.00
N(0,10)	100	50	-7.80	6.72	9.14	6.75	-18.89	2.65	3.35	9.11	37.00	-0.48	9.12	22.35	4.75	46.00
N(0,100)	100	50	-91.70	66.90	90.01	57.75	-72.18	4.5482	106.32	52.05	10.00	-180.80	46.24	30.22	88.46	35.00
N(0,10)	100	100	-7.00	6.04	8.79	5.98	-4.87	6.71	11.04	5.49	14.00	-1.59	8.04	17.26	3.27	37.00
N(0,100)	100	100	-96.08	65.02	72.98	57.10	-26.37	87.83	151.95	43.65	32.00	-26.37	87.83	151.95	43.65	42.00
N(0,10)	500	20	-7.52	5.21	7.78	5.44	-6.80	5.53	8.29	5.30	4.00	0.10	8.25	20.05	4.11	51.50
N(0,100)	500	20	-102.23	63.53	65.13	65.58	-74.36	72.18	92.31	61.26	16.50	-113.63	60.20	56.01	67.90	6.00
N(0,10)	500	50	-6.67	6.25	9.64	6.92	-5.82	6.49	10.59	6.78	5.50	-11.86	5.01	5.49	7.9713	27.00
N(0,100)	500	50	-89.20	63.68	69.76	58.56	-117.55	55.53	51.47	64.27	13.50	-40.05	77.97	122.94	47.77	31.50
N(0,10)	500	100	0.11	0.61	1.69	0.58	-0.27	0.55	1.41	0.69	19.60	0.55	0.74	2.18	0.45	28.80
N(0,100)	500	100	-6.42	5.87	9.753	6.33	-3.33	7.07	14.04	5.47	21.00	-20.72	2.52	1.71	9.53	50.80

Table 2. TS-DIS and CART comparison - Uniform distribution

Parameters			Optimal Solution				TS-DIS					CART				
Distribution	N	p	\bar{y}_L	s_L	\bar{y}_R	s_R	\bar{y}_L	s_L	\bar{y}_R	s_R	% of error	\bar{y}_L	s_L	\bar{y}_R	s_R	% of error
U(0,10)	100	20	2.73	1.48	7.79	1.39	3.48	1.92	8.57	0.87	15.00	2.29	1.24	7.32	1.67	9.00
U(0,100)	100	20	23.54	14.23	73.81	14.74	3.90	1.35	54.21	26.65	29.00	30.95	18.57	80.27	11.40	34.00
U(0,10)	100	50	2.05	1.25	7.14	1.46	2.47	1.57	7.43	1.34	7.00	1.09	0.50	6.10	2.16	20.00
U(0,100)	100	50	21.95	11.53	72.17	16.67	40.51	22.99	90.82	5.38	27.00	38.34	21.51	89.30	5.98	37.00
U(0,10)	100	100	2.40	1.55	7.59	1.39	2.21	1.45	7.36	1.54	4.00	3.90	2.47	9.16	0.46	29.00
U(0,100)	100	100	27.48	14.28	76.57	14.53	31.30	16.42	80.64	12.25	8.00	34.62	18.29	84.36	9.97	15.00
U(0,10)	500	20	3.10	1.64	7.86	1.38	0.76	0.31	5.75	2.39	35.00	0.76	0.31	5.75	2.39	45.00
U(0,100)	500	20	25.38	13.43	74.22	13.82	22.83	11.96	70.94	15.85	6.00	22.41	11.73	70.39	16.17	7.00
U(0,10)	500	50	2.68	1.44	7.43	1.44	0.26	0.12	5.11	2.66	39.00	0.64	0.32	5.44	2.46	42.00
U(0,100)	500	50	30.16	15.81	79.71	13.74	26.56	14.15	75.41	16.18	8.00	21.13	12.13	69.30	19.38	20.00
U(0,10)	500	100	2.44	1.45	7.78	1.48	2.38	1.42	7.68	1.54	1.50	1.16	0.56	6.06	2.43	30.00
U(0,100)	500	100	25.56	13.47	76.52	14.38	22.78	11.92	73.26	16.63	6.00	22.33	11.70	72.71	17.00	7.00