

Dataset	SLIQ-Ext	PC-ext	HcC	LCA
Adult	83.11	83.28	83.25	83.25
Mushroom	99.9	100	100	100
KDD98-9	37.92	39.88	38.96	38.8
Nursery-ext	94.13	95.83	95.83	95.83
Cars-ext	91.23	96.46	96.5	96.5
Contracep-ext	48.86	48.52	49.31	48.97
CoverType-ext	88.31	88.32	89.39	88.72
Poker	52.54	52.09	52.09	51.97
Shelter-15	55.08	53.82	53.59	53.6
S.F. Crime-15	27.51	27.13	27.13	27.16
Phonemes	36.11	37.95	37.89	37.8
Average (Sum)	64.97	65.75	65.81	65.69

Table 1: Average accuracy for decision trees with depth at most 16 using the **Gini** impurity. The best accuracy for each dataset is bold-faced, even when multiple criteria have the same accuracy in the table because of rounding.

Dataset	SLIQ-Ext	PC-ext	HcC	LCA
Adult	83.6	83.74	83.74	83.74
Mushroom	99.99	100	100	100
KDD98-9	36.6	38.78	38.67	38.75
Nursery-ext	94.13	95.88	95.88	95.88
Cars-ext	92.42	96.3	96.28	96.54
Contracep-ext	48.99	48.53	48.76	48.93
CoverType-ext	88.26	88.35	88.83	88.98
Poker	51.16	51.37	51.59	51.97
Shelter-15	55.12	54.18	54.2	54.17
S.F. Crime-15	27.56	27.31	27.31	27.33
Phonemes	35.27	37.25	36.91	37.48
Average (Sum)	64.83	65.61	65.65	65.8

Table 2: Average accuracy for decision trees with depth at most 16 using the **Entropy** impurity. The best accuracy for each dataset is bold-faced, even when multiple criteria have the same accuracy in the table because of rounding.