

H1: ID3 Decision Tree Results

Accuracy as a function of training set size
(plot % accuracy vs set size)

Heart Results
training randomly drew 10x sets per size

size	size	average	min	max	set1	set2	set3	set4	set5
5%	10	68.2%	57.3%	74.8%	71	71	68	77	64
10%	20	68.1%	57.3%	75.7%	59	68	71	73	69
20%	40	67.7%	54.4%	76.7%	71	73	65	70	67
50%	100	72.2%	63.1%	79.6%	65	82	74	73	80
100%	200	69.9%	69.9%	69.9%	72	72	72	72	72

Diabetes results
training randomly drew 10x sets per size

size	size	average	min	max	set1	set2	set3	set4	set5
5%	33	67.1%	62.0%	73.0%	67	62	66	73	73
10%	67	67.1%	59.0%	74.0%	59	66	66	67	70
20%	134	67.8%	60.0%	74.0%	70	72	68	67	60
50%	334	69.0%	64.0%	76.0%	74	65	70	64	71
100%	668	69.0%	69.0%	69.0%	69	69	69	69	69

Accuracy as a function of decision tree size
(plot % accuracy vs stopping criteria)

m	result	set1
20	73.8%	76
10	72.8%	75
5	69.9%	72
2	68.0%	70

m	result	set1
20	70.9%	73
10	67.0%	69
5	67.0%	69
2	66.0%	68

