

Neural Net Classification Results

Neural Net Classification Results						
wine dataset	178 data		2 levels	12 neurons	3 neurons	
			10k max epochs	classic propagation	lrate=0.01	
train-test (%)	success(%)	ratio				
90 - 10	100	18/18				
80 - 20	100	36/36				
70 - 30	94.44	51/54				
60 - 40	94.44	68/72				
50 - 50	95.5	85/90				
breast cancer	569 data		2 levels	12 neurons	2 neurons	
			15k max epochs	lrate = 0.001	classic propagation	
train test	success(%)	ratio				
90 - 10	96.49	55/57				
80 - 20	99.122	113/114				
70 - 30	96.5	165/171				
60 - 40	94.74	216/228				
50 - 50	92.28	263/285				
gamma telescope	19k data		2 levels	12 neurons	2 neurons	
			60k max epochs	lrate = 0.03	classic propagation	
train-test (%) split	success(%)	ratio				
90 - 10	83.333	1585 / 1902				
80 - 20	85.62	3257 / 3804				
70 - 30	85.76936	4894 / 5706				
60 - 40	84.7266	6446/ 7608				
50 - 50	84.7949	8064 / 9510				