

Table 1. Comparison of POINTILLIST with classical approaches

	Traditional methods									
	Intersection approach				Union approach				Nonweighted Fisher's method	
	$\alpha = 0.025$		$\alpha = 0.05$		$\alpha = 0.1$		$\alpha = 0.05$		$\alpha = 0.05$	
Actual\predicted	True	False	True	False	True	False	True	False	True	False
True	2,719	281	2,528	472	2,872	128	2,846	154	2,846	154
False	157	2843	8	2,992	272	2,728	132	2,868	138	2,862
False positive	0.0523		0.0027		0.0907		0.0440		0.0460	
False negative	0.0937		0.1573		0.0427		0.0513		0.0513	
Precision	0.9454		0.9968		0.9135		0.9557		0.9538	
<i>F</i> measure ($\beta=1$)	0.9255		0.9133		0.9349		0.9522		0.9512	
Accuracy	0.9270		0.9200		0.9333		0.9523		0.9513	
Methods in POINTILLIST										
	Weighted Fisher's method				False positive reduction		Mixture model		Nonparametric Fisher's method	
	$\alpha = 0.05$				$\alpha_T = 0.013$		$\alpha_T = 0.01515$		$\alpha_T = 0.03$	
	True	False	True	False	True	False	True	False	True	False
Actual\predicted										
True			2,862	138	2,798	202	2,813	187	2,798	202
False			145	2855	28	2972	39	2961	27	2973
False positive	0.048333		0.0093333		0.013		0.009		0.009	
False negative	0.046		0.067333		0.062333		0.067333		0.067333	
Precision	0.95178		0.99009		0.98633		0.99044		0.99044	
<i>F</i> measure ($\beta=1$)	0.95289		0.96052		0.96138		0.96069		0.96069	
Accuracy	0.95283		0.96167		0.96233		0.96183		0.96183	