

Não utiliza otimização de parâmetros  $C$  e  $\gamma$  (svm-easy).

$T_0$	$T_Q$	Complex Network - Joint Probability Degree - Energy (E), Entropy (H), and Average Probability (P)																	
		Quantidade de $T_l$ utilizados																	
		2*			3*			5*			10*			20*			30*		
		Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB
0.05	0.60	89.9(14.2)	91.2	88.1	90.6(11.9)	95.8	78.2	90.5(12.2)	96.4	77.3	90.8(12.2)	96.2	78.4	90.5(12.5)	96.1	77.2	91.0(12.0)	96.5	78.1
0.05	0.80	90.9(13.0)	92.0	89.8	90.5(12.3)	95.4	79.9	90.3(12.4)	96.7	75.2	90.5(12.3)	96.5	75.8	90.7(13.6)	96.6	77.8	90.6(11.9)	96.7	76.2
0.05	0.90	90.1(13.9)	91.5	88.5	91.0(11.1)	95.1	81.0	90.2(12.3)	96.8	75.4	89.9(11.9)	96.4	74.7	90.2(12.5)	96.2	75.8	90.3(12.4)	96.3	75.5
0.05	0.95	89.5(14.2)	90.3	88.8	90.2(14.0)	93.3	83.6	90.8(12.0)	96.7	77.1	89.8(12.4)	97.0	72.8	90.3(12.0)	96.9	74.5	90.0(12.7)	96.2	76.3
0.10	0.60	90.3(12.5)	95.9	78.9	90.8(13.3)	95.7	80.1	90.7(13.3)	96.1	78.1	90.6(12.1)	96.9	75.2	90.0(13.9)	96.3	75.7	90.6(12.2)	96.9	75.9
0.10	0.80	90.3(12.4)	95.4	79.9	91.1(11.8)	96.3	79.4	90.2(13.8)	96.1	77.1	89.9(13.9)	96.1	76.0	90.1(13.7)	96.7	75.2	90.3(12.2)	96.9	74.9
0.10	0.90	91.1(12.1)	95.7	82.2	91.1(11.6)	96.5	79.6	90.5(13.5)	96.1	77.9	89.8(13.8)	96.0	74.0	90.1(12.1)	96.9	73.5	89.9(12.6)	96.7	73.9
0.10	0.95	90.4(12.8)	95.2	81.2	90.8(11.7)	96.1	79.0	90.3(14.9)	95.5	79.0	90.7(12.2)	97.0	75.3	90.0(12.3)	97.0	73.3	90.1(12.6)	96.6	74.6
0.15	0.60	89.4(14.2)	96.2	74.0	88.9(14.2)	96.1	72.2	89.6(12.5)	97.3	71.5	89.3(14.0)	96.4	72.8	90.1(12.1)	97.4	72.7	90.0(12.2)	97.7	72.1
0.15	0.80	90.4(13.7)	95.8	78.2	88.8(14.4)	96.0	72.1	88.9(14.2)	96.4	70.9	88.8(14.3)	96.6	70.7	89.4(12.3)	97.5	69.8	90.0(12.2)	97.8	71.7
0.15	0.90	90.4(13.7)	95.6	79.4	89.3(14.2)	95.9	74.4	88.8(14.4)	96.3	71.7	88.9(12.9)	96.8	69.9	89.2(12.6)	97.3	69.6	89.3(13.8)	97.1	71.3
0.15	0.95	90.0(13.8)	95.5	78.6	89.5(14.0)	96.3	74.5	89.3(14.0)	96.4	72.7	89.2(12.8)	97.4	69.5	89.2(12.4)	97.4	69.9	89.4(12.4)	97.4	70.5
0.20	0.60	89.5(13.7)	96.5	73.9	89.8(12.1)	97.3	71.6	89.8(12.0)	97.5	71.3	89.5(12.3)	97.7	70.2	89.3(12.3)	97.7	69.1	89.2(12.7)	97.8	69.1
0.20	0.80	89.0(14.0)	96.2	73.5	89.9(12.4)	97.6	72.2	90.1(12.0)	98.0	71.0	89.4(12.2)	97.4	69.8	88.6(12.8)	97.7	67.2	88.8(12.6)	97.6	67.5
0.20	0.90	89.0(14.0)	96.1	74.2	89.8(12.1)	97.2	72.8	90.1(11.7)	97.8	71.3	89.0(12.4)	97.6	68.7	88.7(12.9)	97.6	67.4	88.7(12.8)	97.6	67.6
0.20	0.95	89.1(14.0)	95.8	74.7	89.9(12.1)	97.3	73.3	89.8(12.5)	97.4	72.0	89.2(12.3)	97.4	69.4	88.6(12.6)	97.6	66.4	88.3(13.1)	97.5	66.0

$T_0$	$T_Q$	Complex Network - Connectivity Degree - Mean (K), Max Degree (M)																	
		Quantidade de $T_l$ utilizados																	
		2*			3*			5*			10*			20*			30*		
		Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB
0.05	0.60	71.8(20.0)	88.3	35.3	71.8(20.2)	87.4	37.7	72.6(20.0)	87.4	40.6	72.2(19.9)	85.9	41.5	71.1(20.8)	83.9	42.4	71.1(20.3)	84.1	41.7
0.05	0.80	75.1(20.5)	96.8	30.3	75.5(20.6)	96.4	33.1	71.5(20.0)	86.1	39.0	71.6(20.2)	86.4	38.6	70.6(20.1)	85.9	36.7	70.5(20.0)	85.9	36.3
0.05	0.90	75.5(20.3)	97.6	30.2	75.0(20.4)	96.1	32.3	71.8(20.6)	92.0	29.0	71.1(20.1)	85.8	38.4	71.0(20.1)	86.1	37.1	70.6(19.9)	86.0	36.1
0.05	0.95	75.9(20.4)	98.1	30.0	73.8(20.8)	93.4	33.8	73.9(20.5)	92.6	34.1	71.3(20.2)	86.5	37.5	70.8(19.9)	86.2	36.7	70.7(19.9)	85.9	37.0
0.10	0.60	70.5(19.3)	84.9	37.7	70.5(19.6)	84.3	38.5	70.6(19.7)	84.2	39.0	70.6(19.9)	84.2	39.1	70.7(20.0)	83.6	41.0	70.7(20.0)	83.1	42.0
0.10	0.80	68.1(22.8)	99.7	0.0	67.9(21.3)	94.0	12.7	70.3(20.0)	85.5	35.3	69.9(20.2)	86.6	32.1	69.8(19.8)	85.7	33.8	70.0(20.2)	86.3	33.0
0.10	0.90	68.3(22.9)	100.0	0.0	70.2(20.1)	86.6	34.5	69.8(21.5)	93.1	19.2	70.4(20.3)	86.7	33.2	69.8(19.9)	85.7	33.8	69.5(20.0)	85.7	33.4
0.10	0.95	68.3(22.9)	100.0	0.0	70.2(21.0)	81.7	44.2	68.2(21.5)	91.8	17.2	70.2(20.8)	88.3	29.7	70.0(19.9)	85.6	34.4	69.7(20.2)	86.0	32.9
0.15	0.60	70.5(19.3)	85.0	37.7	70.5(19.6)	84.3	38.5	70.6(19.6)	84.4	38.8	70.7(19.9)	84.2	39.4	70.7(19.9)	83.5	40.7	70.5(20.0)	83.2	41.3
0.15	0.80	68.1(22.8)	99.7	0.0	67.9(20.4)	90.3	20.7	70.2(20.1)	86.7	32.7	69.7(20.1)	86.3	32.4	69.6(20.3)	85.9	33.2	69.7(20.0)	85.7	33.8
0.15	0.90	68.3(22.9)	100.0	0.0	69.7(21.3)	81.9	42.0	69.2(21.6)	92.9	17.9	69.7(20.2)	86.7	31.4	69.6(20.2)	85.8	33.2	69.8(20.0)	85.8	33.8
0.15	0.95	68.3(22.9)	100.0	0.0	70.7(20.5)	82.6	43.3	70.0(20.8)	82.0	42.9	69.4(20.7)	86.4	32.1	69.6(20.2)	86.0	32.7	69.7(20.0)	85.5	34.0
0.20	0.60	70.5(19.3)	85.0	37.7	70.5(19.5)	84.6	38.2	70.6(19.7)	84.5	38.5	70.6(19.8)	84.4	38.6	70.6(19.8)	83.5	40.5	70.7(19.9)	83.6	40.5
0.20	0.80	68.1(22.8)	99.7	0.0	70.2(20.0)	86.9	33.4	70.1(20.2)	88.0	30.1	69.3(20.5)	85.8	32.7	69.8(20.1)	85.8	33.5	69.5(20.1)	85.9	32.8
0.20	0.90	68.3(22.9)	100.0	0.0	70.8(20.1)	82.4	43.9	69.2(20.7)	85.2	34.3	69.2(20.3)	85.8	32.3	70.0(20.3)	86.1	33.6	69.4(20.2)	85.8	32.6
0.20	0.95	68.3(22.9)	100.0	0.0	71.2(19.4)	83.7	42.2	70.3(20.3)	81.3	45.1	70.0(20.0)	85.3	35.4	69.3(20.4)	85.8	32.4	69.8(20.1)	85.9	33.3

$T_0$	$T_Q$	Complex Network - Connectivity Degree & Joint Probability Degree - K, M, E, H, P																	
		Quantidade de $T_l$ utilizados																	
		2*			3*			5*			10*			20*			30*		
		Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB
0.05	0.60	90.5(12.1)	96.0	78.7	90.3(11.9)	96.6	75.3	89.8(12.4)	96.3	74.4	90.5(12.3)	96.2	77.1	90.5(12.4)	96.2	77.2	90.9(12.1)	96.5	77.8
0.05	0.80	89.7(13.6)	92.7	83.6	90.3(12.0)	95.3	79.0	90.1(12.2)	96.9	74.2	90.1(12.6)	96.2	75.9	90.0(14.0)	96.5	76.5	90.6(11.7)	96.7	75.9
0.05	0.90	88.9(14.6)	92.6	82.4	89.7(13.6)	95.2	78.3	89.4(12.4)	96.6	72.9	89.8(11.9)	96.4	73.9	90.3(12.5)	96.6	75.5	90.0(12.5)	96.2	75.4
0.05	0.95	88.4(15.0)	91.0	83.8	89.8(13.5)	95.3	78.5	89.8(12.4)	96.7	73.2	89.3(13.9)	95.9	73.8	90.2(12.2)	97.0	74.5	89.9(12.7)	96.1	75.9
0.10	0.60	90.8(12.2)	96.5	78.0	90.1(15.1)	95.7	77.6	90.3(13.6)	96.3	75.8	90.4(12.1)	96.9	74.5	89.5(13.9)	96.5	74.2	90.3(12.4)	97.1	74.7
0.10	0.80	90.9(12.3)	96.0	79.8	90.8(13.6)	95.5	81.1	90.0(13.5)	96.2	75.3	89.6(14.0)	96.4	73.9	89.9(13.7)	96.6	74.3	89.2(14.1)	96.0	73.8
0.10	0.90	90.6(13.8)	95.7	80.8	90.2(13.9)	95.8	78.6	90.1(13.6)	96.1	76.1	89.2(14.2)	96.1	72.8	90.0(12.2)	97.0	73.3	89.9(12.1)	97.0	73.8
0.10	0.95	90.0(14.2)	95.4	79.6	89.7(14.0)	95.6	77.2	89.7(15.2)	95.6	75.5	89.6(14.1)	96.2	74.5	89.7(12.4)	96.9	72.8	89.6(12.6)	96.9	72.6
0.15	0.60	89.3(14.1)	96.1	73.7	88.8(14.2)	96.3	71.9	88.7(14.4)	96.5	70.8	89.6(12.2)	97.3	71.7	90.0(12.0)	97.7	71.9	89.9(12.3)	97.7	71.1
0.15	0.80	89.0(14.2)	95.6	74.7	88.8(14.3)	96.3	72.3	88.3(14.2)	96.4	69.8	88.5(14.1)	96.8	69.6	89.1(12.7)	97.7	68.7	89.8(12.2)	97.7	71.0
0.15	0.90	89.7(13.9)	95.8	76.0	88.6(14.3)	96.0	71.6	88.8(14.3)	96.5	71.3	88.1(14.2)	96.9	67.6	88.9(12.9)	97.6	68.6	88.8(14.1)	97.1	69.6
0.15	0.95	89.5(14.0)	95.8	75.6	88.8(14.2)	96.3	71.8	88.8(14.2)	96.6	70.7	88.8(12.6)	97.6	68.2	88.9(12.8)	97.6	68.2	89.3(12.4)	97.9	69.0
0.20	0.60	89.6(12.4)	97.5	71.3	89.5(12.8)	97.3	70.9	89.0(12.4)	97.8	67.9	89.3(12.3)	98.0	68.8	89.1(12.3)	97.8	68.1	88.9(12.7)	97.8	68.0
0.20	0.80	89.7(12.3)	97.3	72.2	90.0(12.3)	97.7	72.0	89.0(12.5)	97.9	67.9	89.3(12.4)	97.4	69.6	87.9(13.1)	97.9	64.8	87.9(12.6)	97.5	65.0
0.20	0.90	89.8(12.2)	96.9	73.6	89.9(12.3)	97.6	71.5	89.7(12.1)	97.8	70.1	88.3(12.6)	97.4	66.9	88.5(12.7)	97.8	66.9	88.1(12.8)	97.4	65.5
0.20	0.95	89.8(12.3)	96.5	74.4	90.1(12.2)	97.5	72.5	89.8(12.2)	97.7	71.2	88.7(12.4)	97.7	67.3	88.3(12.7)	97.8	65.3	87.6(13.0)	97.8	63.4

Não utiliza otimização de parâmetros  $C$  e  $\gamma$  (svm-easy).

$T_0$	$T_Q$	Complex Network - Joint Probability Degree - Energy (E), Entropy (H), and Average Probability (P) - $n = 5$																	
		Quantidade de $T_i$ utilizados																	
		E			H			P			EH			EP			HP		
		Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB
0.05	0.60	80.9(16.6)	95.3	48.4	87.3(17.8)	91.1	80.9	86.4(15.8)	93.2	70.2	89.7(12.5)	93.9	79.9	89.7(12.6)	95.7	75.5	90.0(12.4)	95.4	78.5
0.05	0.80	79.1(16.8)	97.7	37.3	86.4(17.9)	90.6	79.5	87.7(12.6)	95.8	67.7	90.6(12.1)	94.2	82.7	89.3(12.3)	96.1	73.4	90.3(12.1)	96.6	74.7
0.05	0.90	78.0(18.1)	97.5	34.0	86.7(17.8)	90.2	80.1	87.2(14.1)	95.1	68.2	91.0(10.8)	94.2	83.5	89.2(12.6)	96.5	72.7	90.0(11.7)	96.8	73.7
0.05	0.95	80.4(16.6)	95.9	44.7	87.3(17.8)	90.2	82.6	87.5(14.7)	95.2	69.8	90.6(12.0)	93.9	83.0	89.2(12.5)	96.2	72.3	89.1(13.8)	95.8	73.9
0.10	0.60	79.0(17.7)	95.6	42.6	89.3(14.8)	94.1	78.5	86.8(15.1)	93.1	71.4	89.0(13.8)	94.5	75.2	89.8(12.7)	96.4	73.6	90.7(12.9)	96.2	78.0
0.10	0.80	78.2(17.9)	94.7	42.0	89.7(13.8)	94.3	79.9	87.4(15.8)	94.2	71.2	88.9(14.1)	94.2	76.0	89.9(12.4)	96.6	73.8	89.9(13.2)	96.0	75.6
0.10	0.90	77.4(19.5)	96.3	37.1	90.2(13.5)	93.9	82.3	87.7(15.1)	94.7	71.1	88.8(15.1)	93.2	79.7	88.9(15.0)	95.5	73.3	89.9(13.1)	95.6	76.2
0.10	0.95	79.1(19.7)	95.4	44.0	89.5(15.2)	93.5	80.8	87.0(15.9)	94.8	68.6	89.3(15.3)	93.1	81.3	89.7(13.6)	96.4	72.4	89.3(14.9)	94.8	76.8
0.15	0.60	79.4(18.0)	95.1	44.4	87.8(14.8)	95.5	70.5	87.0(14.1)	94.2	69.9	86.9(15.0)	95.2	67.0	88.8(11.8)	96.0	70.3	89.0(14.2)	96.3	72.7
0.15	0.80	78.1(19.4)	94.1	42.9	87.4(15.7)	94.7	72.0	87.2(15.3)	93.8	71.9	86.9(14.7)	95.2	67.7	87.7(15.1)	95.4	70.0	89.0(14.2)	95.9	72.8
0.15	0.90	79.0(18.6)	94.9	44.3	88.5(14.3)	94.2	75.3	88.4(14.1)	95.4	71.8	87.0(14.8)	94.5	69.6	88.9(14.2)	96.3	71.6	89.2(14.2)	95.7	74.3
0.15	0.95	78.6(19.2)	94.4	44.5	89.0(12.1)	93.3	78.1	86.7(14.6)	95.0	67.6	87.9(14.5)	93.6	74.5	88.6(13.0)	97.2	68.3	88.8(14.1)	95.7	72.9
0.20	0.60	79.3(18.4)	95.3	44.8	84.4(17.8)	93.7	63.7	87.3(13.7)	93.9	71.0	85.4(14.3)	96.4	60.2	87.8(14.0)	94.8	70.6	89.9(12.2)	97.1	72.7
0.20	0.80	78.4(16.6)	95.7	37.8	84.7(16.5)	94.6	63.3	87.7(14.2)	94.1	72.7	84.8(14.4)	95.8	59.1	89.0(12.6)	96.2	71.1	89.9(12.2)	97.2	73.2
0.20	0.90	80.9(15.4)	95.9	46.1	85.7(16.7)	94.5	67.0	88.4(13.8)	94.9	73.1	86.2(14.0)	95.5	65.3	89.0(12.5)	96.7	70.5	90.4(12.3)	97.3	74.0
0.20	0.95	79.5(16.8)	95.0	42.7	85.9(16.1)	94.2	68.2	89.0(12.2)	96.0	71.7	86.4(13.7)	95.2	66.4	89.1(12.1)	97.1	69.5	89.7(12.6)	97.0	72.7

$T_0$	$T_Q$	Complex Network - Connectivity Degree - Mean (K), Max Degree (M)									
		Quantidade de $T_i$ utilizados									
		K			M			KM			
		Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	
0.05	0.60	71.3(21.2)	94.3	24.4	71.7(19.8)	87.1	37.4	72.6(20.0)	87.4	40.6	
0.05	0.80	71.3(20.4)	93.3	25.3	71.4(20.3)	86.4	38.0	71.5(20.0)	86.1	39.0	
0.05	0.90	70.2(21.2)	91.1	25.2	71.9(21.1)	92.0	29.6	71.8(20.6)	92.0	29.0	
0.05	0.95	69.9(21.3)	92.7	21.0	72.3(20.7)	89.3	36.3	73.9(20.5)	92.6	34.1	
0.10	0.60	68.3(22.9)	100.0	0.2	70.7(19.5)	85.2	37.3	70.6(19.7)	84.2	39.0	
0.10	0.80	66.3(22.5)	96.2	4.2	70.1(20.3)	85.9	34.1	70.3(20.0)	85.5	35.3	
0.10	0.90	67.8(21.7)	93.0	15.3	70.0(21.0)	93.0	20.2	69.8(21.5)	93.1	19.2	
0.10	0.95	67.1(22.2)	94.7	10.1	69.2(20.7)	88.0	28.3	68.2(21.5)	91.8	17.2	
0.15	0.60	68.3(22.9)	99.9	0.2	70.5(19.7)	85.3	36.9	70.6(19.6)	84.4	38.8	
0.15	0.80	66.8(22.2)	95.0	8.8	70.2(20.1)	87.2	31.8	70.2(20.1)	86.7	32.7	
0.15	0.90	67.5(22.2)	93.8	13.1	69.4(21.1)	91.7	21.0	69.2(21.6)	92.9	17.9	
0.15	0.95	66.5(22.5)	97.5	1.0	70.7(20.3)	83.9	40.3	70.0(20.8)	82.0	42.9	
0.20	0.60	68.2(22.9)	99.9	0.2	70.7(19.6)	85.8	36.6	70.6(19.7)	84.5	38.5	
0.20	0.80	68.1(21.6)	93.0	16.2	70.1(20.2)	88.2	29.6	70.1(20.2)	88.0	30.1	
0.20	0.90	68.3(21.4)	93.4	15.6	70.0(20.0)	85.1	36.3	69.2(20.7)	85.2	34.3	
0.20	0.95	66.4(22.5)	96.4	3.2	70.8(19.6)	84.2	39.4	70.3(20.3)	81.3	45.1	

Utilizando otimização de parâmetros  $C$  e  $\gamma$  (svm-easy) - Complex.

$T_0$	$T_Q$	Complex Network - Joint Probability Degree - Energy (E), Entropy (H), and Average Probability (P)																	
		Quantidade de $T_i$ utilizados																	
		2*			3*			5*			10*			20*			30*		
		Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB
0.05	0.60	90.4(13.8)	90.5	91.5	90.9(14.5)	93.8	86.0	92.2(11.7)	95.1	87.4	92.1(11.6)	95.7	84.3	92.3(10.9)	95.5	85.7	91.7(11.9)	95.1	83.3
0.05	0.80	90.1(15.1)	89.9	92.3	91.4(13.1)	93.0	89.2	92.5(11.0)	95.3	87.3	92.1(11.6)	95.5	85.6	91.9(12.1)	95.5	84.9	92.2(11.6)	95.3	85.5
0.05	0.90	90.8(13.6)	91.2	91.3	91.4(13.0)	92.4	89.9	92.1(12.0)	95.3	86.1	92.1(11.9)	95.1	84.7	91.3(13.5)	94.7	84.4	92.0(12.0)	95.3	85.8
0.05	0.95	90.3(14.1)	90.1	92.0	91.3(13.1)	92.5	89.9	92.2(11.6)	95.2	87.6	91.6(13.5)	95.1	84.7	92.4(11.6)	96.2	84.2	92.3(11.6)	95.4	85.4
0.10	0.60	90.3(15.1)	92.8	86.2	92.0(11.9)	95.5	85.7	92.1(11.8)	96.1	84.2	92.1(11.8)	96.0	83.3	92.2(11.6)	95.7	85.2	91.7(12.0)	95.7	83.6
0.10	0.80	91.4(11.6)	94.1	86.4	91.9(13.4)	95.1	86.3	92.0(12.0)	95.1	86.7	91.7(13.4)	94.7	86.4	92.0(11.7)	95.8	84.0	92.2(11.8)	95.7	84.9
0.10	0.90	90.8(13.7)	94.4	85.0	91.5(13.5)	94.8	85.8	91.6(13.6)	94.6	87.0	91.9(12.0)	95.4	84.9	92.3(11.6)	95.6	85.4	91.9(11.9)	95.2	84.6
0.10	0.95	90.3(14.4)	92.4	85.8	92.3(11.5)	95.4	85.9	92.6(11.3)	96.1	86.0	92.3(11.6)	95.5	85.2	92.8(10.8)	95.4	86.2	91.7(13.7)	94.7	85.7
0.15	0.60	91.1(13.5)	94.2	84.4	91.7(11.7)	95.2	84.2	91.6(11.6)	95.1	84.0	91.9(11.8)	95.5	83.6	91.9(11.7)	95.4	84.5	91.7(11.6)	95.8	82.0
0.15	0.80	91.3(13.6)	94.0	85.7	92.1(11.5)	95.4	84.2	92.1(11.4)	95.9	83.4	92.1(11.6)	95.7	84.7	91.9(11.6)	95.4	84.2	91.8(11.9)	95.8	83.1
0.15	0.90	90.9(15.3)	92.9	86.9	91.4(13.5)	94.8	84.1	92.0(11.7)	95.8	84.3	92.0(11.8)	96.0	83.3	91.4(13.0)	94.7	83.7	92.1(11.7)	95.8	83.4
0.15	0.95	91.3(13.6)	93.6	87.3	91.6(13.2)	94.6	85.2	92.6(11.2)	96.2	84.8	92.0(11.9)	95.5	84.2	91.9(11.6)	95.8	83.1	91.8(11.7)	95.2	84.4
0.20	0.60	91.9(11.6)	94.7	86.2	92.1(11.8)	95.5	85.1	91.8(11.6)	95.8	83.5	91.5(11.6)	95.7	82.4	91.7(11.9)	96.1	82.0	91.4(11.7)	95.4	82.5
0.20	0.80	91.9(11.7)	94.5	86.4	92.0(11.6)	95.4	85.0	91.8(11.6)	95.3	84.4	91.9(11.5)	95.6	84.0	91.3(11.4)	94.7	83.6	91.4(11.7)	95.5	82.7
0.20	0.90	92.2(11.6)	95.6	85.3	92.1(11.7)	95.4	84.7	91.8(11.9)	95.8	83.0	92.0(11.7)	95.5	84.5	91.6(12.3)	95.3	84.4	91.4(12.1)	94.8	84.4
0.20	0.95	92.3(11.7)	95.4	85.8	92.3(11.4)	95.4	85.6	92.2(11.5)	95.8	84.4	91.5(13.5)	95.0	83.8	92.1(11.6)	95.4	84.5	92.2(11.5)	95.7	84.8

Tá faltando a otimizada para variação de  $n$  sobre conjutno *connectivity degree* KM - Suellen

Tá faltando a otimizada para combinação de EHP co  $n = 5$  - Suellen.

Tá faltando a otimizada para combinação de KM co  $n = 5$  - Suellen.

Não utiliza otimização de parâmetros  $C$  e  $\gamma$  (svm-easy) - Zernike.

Degree	Momentos de Zernike																	
	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB
1 6	68.2(22.9)	99.9	0.0	69.5(22.0)	96.6	13.0	71.5(21.6)	93.4	26.5	70.8(22.2)	93.3	24.0	71.3(22.2)	94.0	24.2	71.1(22.8)	92.9	26.5
7 12	72.0(22.1)	93.3	28.0	71.5(22.6)	93.6	26.4	71.4(22.3)	93.3	26.6	71.1(22.7)	93.5	25.5	71.3(22.3)	93.9	25.1	71.1(22.1)	94.1	24.5
13 18	71.0(22.0)	94.4	23.8	71.5(22.0)	95.5	22.5	71.5(21.6)	95.8	21.7	71.7(22.0)	95.5	23.1	71.8(21.4)	96.2	22.1	72.3(21.5)	96.4	23.2

Utilizando otimização de parâmetros  $C$  e  $\gamma$  (svm-easy) - Zernike.

Degree	Momentos de Zernike																	
	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB
1 6	68.2(22.8)	98.6	2.9	70.2(21.0)	82.9	42.9	71.6(20.3)	86.6	40.4	70.8(20.3)	81.8	47.0	73.9(20.0)	88.8	42.9	73.7(19.7)	87.9	44.3
7 12	74.0(19.2)	87.9	44.3	74.1(19.4)	88.2	43.8	73.0(20.8)	82.8	52.6	74.1(18.4)	85.2	49.9	74.4(18.4)	85.5	50.3	73.4(19.5)	85.1	48.4
13 18	73.0(21.1)	86.5	46.2	75.3(19.0)	86.8	51.5	74.8(20.4)	87.3	49.4	72.6(20.8)	79.5	57.4	74.5(19.7)	82.0	56.0	75.9(18.5)	85.7	54.3

Não utiliza otimização de parâmetros  $C$  e  $\gamma$  (svm-easy) - Fourier.

Descritores de Fourier - {2,3,5,10,15,20,25,30,40,50}																	
Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB
87.7(14.4)	95.3	72.4	87.9(14.2)	95.4	72.4	88.2(14.3)	96.0	71.8	88.3(14.3)	96.5	70.7	87.5(14.3)	96.7	67.5			
87.1(14.8)	95.8	68.6	88.0(13.5)	96.5	68.8	88.3(12.4)	96.1	68.7	87.8(12.3)	94.9	70.2	87.1(13.6)	95.3	68.0			

Utiliza otimização de parâmetros  $C$  e  $\gamma$  (svm-easy) - Fourier.

Descritores de Fourier - {2,3,5,10,15,20,25,30,40,50}																	
Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB
87.6(15.6)	93.7	76.1	87.6(15.0)	93.4	76.1	88.4(15.4)	94.6	76.4	89.2(13.7)	95.5	76.1	88.9(13.6)	94.9	76.1			
89.1(13.0)	93.8	77.8	89.4(12.3)	93.4	80.1	88.8(13.9)	92.9	79.6	88.8(13.0)	90.9	82.8	90.0(13.5)	93.8	80.5			

Não utiliza otimização de parâmetros  $C$  e  $\gamma$  (svm-easy) - Wavelet.

Base Size		Wavelet																	
		Percentual																	
		10%			25%			50%			75%			90%			100%		
	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	
Haar	10	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	86.6(16.0)	91.4	77.8	86.6(16.0)	91.4	77.8	86.6(16.0)	91.4	77.8
	20	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	80.8(18.4)	97.4	46.8	88.5(13.6)	88.6	88.8	89.2(13.0)	93.2	81.2
	30	68.3(22.9)	100.0	0.0	68.1(22.8)	99.7	0.2	72.8(19.7)	84.8	46.1	90.1(13.3)	93.3	84.1	90.8(11.4)	93.9	83.9	90.7(11.5)	93.9	83.6
	40	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	76.5(19.1)	98.6	28.9	90.3(11.8)	93.3	84.6	89.9(11.9)	93.5	82.6
	50	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	73.2(20.2)	84.3	49.7	89.8(12.6)	93.0	84.3	89.7(12.6)	93.1	83.5	89.8(12.1)	93.3	83.2
Db2	10	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	74.9(18.2)	82.0	59.0	76.7(17.9)	83.5	61.3	76.7(18.0)	83.3	61.3
	20	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	90.0(11.2)	91.1	87.1	89.8(12.2)	90.0	89.4	89.7(12.2)	89.8	89.5
	30	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	73.0(19.1)	85.7	43.9	88.9(12.4)	89.0	89.4	90.3(11.4)	91.4	88.4	90.2(11.4)	91.1	88.8
	40	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	82.5(17.5)	96.4	54.6	85.4(16.9)	90.1	76.9	88.9(14.3)	93.1	80.8
	50	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	73.0(20.2)	84.5	47.9	89.4(12.6)	93.4	81.7	89.6(12.7)	94.3	80.4	89.5(12.7)	94.3	80.1
Db3	10	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	77.7(17.8)	81.1	70.2	77.8(17.5)	80.5	71.4
	20	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	83.6(16.4)	97.7	55.4	85.3(16.0)	97.4	61.0	85.3(16.2)	97.5	60.8
	30	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	71.9(19.6)	87.5	37.2	89.3(12.6)	91.7	85.2	89.9(11.9)	93.0	84.3	89.8(12.0)	92.8	84.3
	40	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	87.2(15.1)	92.7	76.8	87.0(15.3)	92.2	77.4	88.4(14.3)	90.9	84.9
	50	68.3(22.9)	100.0	0.0	68.3(22.9)	100.0	0.0	72.5(20.3)	85.9	43.3	88.4(13.4)	87.2	92.4	90.0(12.1)	93.5	83.6	90.0(12.1)	93.5	83.6

Tá faltando - Utiliza otimização de parâmetros  $C$  e  $\gamma$  (svm-easy) - Wavelet - David - tô rodando com previsão de término em 72 horas - a partir de 18:00 de 18/11/2011 - dia 01/12/2011 as 18:00.

Base Size		Wavelet																	
		Percentual																	
		10%			25%			50%			75%			90%			100%		
	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	Accuracy	SenC	SenB	
Haar	10	68.3(22.9)	100.0	0.0	60.9(22.1)	78.1	26.2	67.1(21.6)	91.1	17.1	87.8(13.9)	94.2	74.9	87.1(15.6)	92.6	76.7	86.9(15.8)	91.8	77.8
	20	68.3(22.9)	99.9	0.2	56.3(21.5)	64.6	34.5	65.3(22.0)	85.2	23.4	80.1(18.3)	92.5	54.5	89.3(12.9)	90.7	86.9	89.5(13.6)	92.2	84.0
	30	64.4(21.0)	86.0	18.7	71.8(19.6)	84.1	44.2	73.2(19.3)	83.6	50.5	89.9(12.9)	92.6	84.4	90.2(13.0)	93.2	83.5	90.3(12.9)	93.3	83.5
	40	68.8(22.1)	98.9	3.4	65.0(21.5)	80.4	31.8	67.4(20.8)	82.3	36.7	79.4(17.9)	91.7	51.3	90.2(12.0)	94.0	81.7	90.3(12.2)	93.4	84.8
	50	61.2(19.9)	70.3	40.2	72.5(19.5)	85.0	44.9	73.5(19.0)	84.1	51.7	90.4(12.0)	93.5	84.5	89.6(12.3)	92.5	84.9	90.0(12.4)	93.3	83.8
Db2	10	68.3(22.9)	100.0	0.0	62.7(19.6)	84.6	17.1	65.4(20.6)	77.3	43.4	76.1(18.0)	80.5	64.7	77.9(17.1)	82.0	67.7	79.1(16.1)	83.1	67.5
	20	68.3(22.9)	100.0	0.0	60.0(21.2)	69.9	37.4	61.9(22.1)	81.3	22.8	89.4(12.1)	89.2	90.4	90.3(11.5)	90.7	89.5	90.3(11.5)	90.7	89.5
	30	63.7(22.1)	85.1	18.6	70.2(20.0)	87.1	34.6	73.5(18.8)	85.2	46.7	88.7(12.6)	88.8	89.3	90.4(11.5)	91.8	88.1	90.3(11.5)	91.4	88.6
	40	67.6(22.5)	97.4	4.5	68.5(22.4)	93.3	16.0	66.6(21.4)	89.2	18.5	82.5(16.6)	94.1	57.5	88.2(13.7)	91.6	80.6	89.6(12.3)	94.0	80.1
	50	58.4(20.3)	68.1	36.4	71.0(19.7)	83.9	42.1	74.8(19.0)	85.1	51.5	90.3(11.7)	93.8	82.2	89.7(12.2)	94.6	79.4	90.3(12.0)	95.1	80.2
Db3	10	68.3(22.9)	100.0	0.0	64.8(22.7)	85.8	16.4	64.9(20.9)	77.5	40.6	73.2(18.8)	81.5	52.0	82.1(15.9)	83.9	76.6	82.8(15.4)	86.9	73.4
	20	68.9(21.6)	98.6	4.1	61.4(20.6)	76.1	29.2	68.3(19.3)	80.3	38.9	84.8(14.9)	92.6	69.2	86.6(14.4)	93.7	73.3	86.6(14.4)	93.7	73.3
	30	63.9(20.1)	82.3	24.8	61.7(20.0)	75.6	34.2	72.7(17.9)	85.9	45.2	89.8(12.4)	92.9	84.1	90.3(12.0)	93.9	83.5	90.2(11.8)	93.5	83.9
	40	65.4(20.7)	80.4	29.2	67.5(21.5)	87.5	24.5	69.2(20.2)	90.8	24.8	88.8(12.9)	95.5	75.3	88.8(12.9)	95.5	75.3	89.0(14.1)	92.8	80.8
	50	61.4(20.6)	72.7	35.8	68.9(20.7)	87.2	29.4	72.5(19.2)	84.6	46.5	89.6(13.2)	89.1	91.8	90.2(12.3)	93.1	85.5	90.3(12.3)	93.3	85.1

Table 1: Dados estatísticos sobre a base de amostras

Classe	Total	# por Folha	
		min - max	$\mu \pm \sigma$
Coleoptero	610	[ 0 - 20]	3.4±3.1
Lagarta	1170	[ 0 - 20]	6.5±4.2
Total	1780	[ 1 - 30]	9.9±6.2