

Table 1. Performance measures (predictive accuracy - PA, predictive accuracy for class 1 - PA₁, predictive accuracy for class 2 - PA₂, g-means and AUC) for different boosting algorithms and datasets/classification tasks (the number behind the name of the classifier denotes the number of boosting iterations; see the Methods section for more details); darker shading denotes better performance in terms of the relevant accuracy measure.

		CART(5)	AdaBoost.M1(5).10	AdaBoost.M1(5).100	AdaBoost.M1(5).300	AdaBoost.M1.ICV(5).10	AdaBoost.M1.ICV(5).100	AdaBoost.M1.ICV(5).300	AdaBoost.M1(1).10	AdaBoost.M1(1).100	LogitBoost(1).10	LogitBoost(1).100	St-GrBoost(1).opt	St-GrBoost(1).100	St-GrBoost(1).300	St-GrBoost(1).500	GrBoost(1).10	GrBoost(1).100	GrBoost(1).200	GrBoost(1).300	St-GrBoost(5).opt	St-GrBoost(5).100	St-GrBoost(5).300	St-GrBoost(5).500	GrBoost(5).10	GrBoost(5).100	GrBoost(5).200	GrBoost(5).300
Ivshina ER	PA	0.74 (0.07)	0.75 (0.07)	0.76 (0.06)	0.75 (0.06)	0.75 (0.07)	0.8 (0.03)	0.83 (0.03)	0.78 (0.06)	0.83 (0.05)	0.79 (0.03)	0.8 (0.02)	0.86 (0.01)	0.86 (0.01)	0.86 (0.01)	0.86 (0.01)	0.8 (0.03)	0.82 (0.02)	0.82 (0.02)	0.82 (0.02)	0.86 (0.01)	0.86 (0.01)	0.86 (0.01)	0.86 (0.01)	0.76 (0.04)	0.73 (0.04)	0.73 (0.04)	0.73 (0.04)
	PA ₁	0.74 (0.08)	0.74 (0.1)	0.75 (0.08)	0.74 (0.08)	0.75 (0.06)	0.82 (0.03)	0.82 (0.04)	0.78 (0.07)	0.83 (0.06)	0.78 (0.07)	0.85 (0.04)	0.87 (0.03)	0.87 (0.03)	0.88 (0.03)	0.87 (0.03)	0.81 (0.05)	0.83 (0.04)	0.83 (0.04)	0.83 (0.04)	0.88 (0.02)	0.88 (0.02)	0.88 (0.02)	0.88 (0.02)	0.75 (0.06)	0.73 (0.06)	0.73 (0.06)	0.73 (0.06)
	PA ₂	0.75 (0.07)	0.77 (0.08)	0.76 (0.08)	0.75 (0.08)	0.76 (0.09)	0.78 (0.06)	0.84 (0.03)	0.78 (0.06)	0.82 (0.07)	0.8 (0.03)	0.79 (0.02)	0.85 (0.02)	0.85 (0.02)	0.85 (0.02)	0.85 (0.02)	0.8 (0.04)	0.82 (0.02)	0.82 (0.02)	0.82 (0.02)	0.86 (0.01)	0.85 (0.01)	0.86 (0.01)	0.86 (0.02)	0.76 (0.05)	0.73 (0.05)	0.73 (0.05)	0.73 (0.05)
	g-means	0.74 (0.07)	0.75 (0.07)	0.75 (0.06)	0.74 (0.06)	0.75 (0.07)	0.8 (0.03)	0.83 (0.03)	0.78 (0.06)	0.83 (0.05)	0.79 (0.04)	0.82 (0.02)	0.86 (0.02)	0.86 (0.02)	0.87 (0.02)	0.86 (0.02)	0.8 (0.03)	0.82 (0.02)	0.83 (0.02)	0.82 (0.02)	0.87 (0.01)	0.87 (0.01)	0.87 (0.01)	0.87 (0.01)	0.76 (0.04)	0.73 (0.04)	0.73 (0.04)	0.73 (0.04)
	AUC	0.74 (0.07)	0.75 (0.07)	0.76 (0.06)	0.75 (0.06)	0.81 (0.05)	0.86 (0.03)	0.87 (0.05)	0.83 (0.05)	0.86 (0.04)	0.79 (0.04)	0.82 (0.02)	0.88 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.85 (0.02)	0.87 (0.02)	0.86 (0.02)	0.86 (0.02)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.8 (0.04)	0.77 (0.04)	0.77 (0.04)	0.77 (0.04)
Ivshina Grade	PA	0.73 (0.05)	0.73 (0.04)	0.73 (0.05)	0.72 (0.05)	0.78 (0.04)	0.79 (0.03)	0.8 (0.03)	0.77 (0.04)	0.8 (0.03)	0.75 (0.02)	0.8 (0.02)	0.83 (0.01)	0.82 (0.02)	0.82 (0.01)	0.83 (0.01)	0.78 (0.02)	0.81 (0.02)	0.81 (0.02)	0.81 (0.02)	0.83 (0.02)	0.82 (0.02)	0.83 (0.02)	0.82 (0.02)	0.78 (0.03)	0.8 (0.03)	0.79 (0.03)	0.79 (0.03)
	PA ₁	0.72 (0.06)	0.73 (0.06)	0.72 (0.06)	0.72 (0.07)	0.77 (0.04)	0.79 (0.03)	0.8 (0.04)	0.78 (0.05)	0.81 (0.04)	0.75 (0.03)	0.79 (0.02)	0.85 (0.03)	0.84 (0.03)	0.85 (0.03)	0.85 (0.03)	0.79 (0.05)	0.82 (0.04)	0.83 (0.04)	0.83 (0.04)	0.86 (0.03)	0.85 (0.03)	0.86 (0.03)	0.86 (0.03)	0.79 (0.06)	0.81 (0.05)	0.8 (0.05)	0.8 (0.05)
	PA ₂	0.73 (0.07)	0.73 (0.06)	0.74 (0.07)	0.73 (0.05)	0.79 (0.05)	0.79 (0.05)	0.79 (0.03)	0.76 (0.05)	0.79 (0.05)	0.76 (0.05)	0.81 (0.04)	0.82 (0.02)	0.81 (0.02)	0.82 (0.02)	0.82 (0.02)	0.78 (0.03)	0.8 (0.02)	0.81 (0.02)	0.81 (0.02)	0.82 (0.02)	0.82 (0.02)	0.82 (0.02)	0.82 (0.02)	0.78 (0.03)	0.79 (0.03)	0.79 (0.03)	0.79 (0.03)
	g-means	0.72 (0.05)	0.73 (0.04)	0.73 (0.05)	0.72 (0.05)	0.78 (0.04)	0.79 (0.03)	0.8 (0.03)	0.77 (0.04)	0.8 (0.04)	0.75 (0.03)	0.8 (0.02)	0.83 (0.02)	0.83 (0.02)	0.83 (0.01)	0.84 (0.02)	0.78 (0.03)	0.81 (0.02)	0.82 (0.02)	0.82 (0.02)	0.84 (0.01)	0.83 (0.02)	0.84 (0.02)	0.84 (0.02)	0.79 (0.03)	0.8 (0.03)	0.8 (0.03)	0.8 (0.03)
	AUC	0.73 (0.05)	0.73 (0.04)	0.73 (0.05)	0.72 (0.05)	0.83 (0.03)	0.84 (0.03)	0.85 (0.02)	0.83 (0.04)	0.85 (0.03)	0.75 (0.03)	0.8 (0.02)	0.88 (0.01)	0.88 (0.01)	0.88 (0.01)	0.88 (0.01)	0.84 (0.02)	0.87 (0.01)	0.87 (0.01)	0.87 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.83 (0.03)	0.83 (0.03)	0.82 (0.04)	0.81 (0.04)
Wang ER	PA	0.79 (0.03)	0.79 (0.03)	0.79 (0.04)	0.79 (0.03)	0.82 (0.03)	0.85 (0.03)	0.84 (0.01)	0.85 (0.02)	0.86 (0.03)	0.82 (0.02)	0.86 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.85 (0.01)	0.86 (0.02)	0.86 (0.02)	0.86 (0.02)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.85 (0.02)	0.86 (0.02)	0.86 (0.02)	0.86 (0.02)
	PA ₁	0.79 (0.04)	0.79 (0.04)	0.78 (0.04)	0.79 (0.05)	0.83 (0.04)	0.84 (0.04)	0.85 (0.02)	0.84 (0.03)	0.87 (0.03)	0.81 (0.03)	0.85 (0.03)	0.88 (0.01)	0.88 (0.02)	0.88 (0.01)	0.88 (0.01)	0.85 (0.03)	0.85 (0.02)	0.85 (0.02)	0.85 (0.02)	0.88 (0.02)	0.87 (0.02)	0.88 (0.02)	0.87 (0.02)	0.85 (0.03)	0.86 (0.02)	0.86 (0.02)	0.85 (0.02)
	PA ₂	0.8 (0.04)	0.8 (0.04)	0.8 (0.05)	0.8 (0.05)	0.82 (0.04)	0.85 (0.03)	0.84 (0.02)	0.85 (0.03)	0.86 (0.03)	0.82 (0.03)	0.86 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.86 (0.02)	0.86 (0.02)	0.86 (0.02)	0.86 (0.02)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.9 (0.01)	0.86 (0.02)	0.87 (0.02)	0.87 (0.02)	0.87 (0.02)
	g-means	0.79 (0.03)	0.79 (0.03)	0.79 (0.04)	0.79 (0.03)	0.82 (0.03)	0.85 (0.03)	0.84 (0.01)	0.85 (0.02)	0.86 (0.03)	0.81 (0.02)	0.86 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.85 (0.02)	0.85 (0.02)	0.85 (0.02)	0.85 (0.02)	0.89 (0.01)	0.88 (0.01)	0.89 (0.01)	0.88 (0.01)	0.85 (0.02)	0.86 (0.01)	0.86 (0.02)	0.86 (0.02)
	AUC	0.79 (0.03)	0.79 (0.03)	0.79 (0.04)	0.8 (0.03)	0.87 (0.02)	0.89 (0.02)	0.89 (0.01)	0.88 (0.02)	0.9 (0.02)	0.81 (0.02)	0.86 (0.01)	0.91 (0.01)	0.92 (0.01)	0.91 (0.01)	0.91 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.89 (0.01)	0.91 (0.01)	0.92 (0.01)	0.92 (0.01)	0.92 (0.01)	0.89 (0.02)	0.89 (0.02)	0.88 (0.02)	0.88 (0.02)
Wang Relapse	PA	0.54 (0.03)	0.58 (0.04)	0.62 (0.03)	0.63 (0.03)	0.56 (0.03)	0.58 (0.02)	0.61 (0.02)	0.58 (0.03)	0.62 (0.03)	0.57 (0.03)	0.6 (0.03)	0.6 (0.03)	0.61 (0.02)	0.62 (0.02)	0.63 (0.02)	0.57 (0.03)	0.6 (0.02)	0.62 (0.02)	0.62 (0.02)	0.62 (0.02)	0.62 (0.02)	0.62 (0.02)	0.63 (0.02)	0.59 (0.02)	0.62 (0.03)	0.62 (0.02)	0.63 (0.02)
	PA ₁	0.54 (0.05)	0.57 (0.05)	0.62 (0.04)	0.62 (0.04)	0.57 (0.04)	0.58 (0.03)	0.6 (0.09)	0.58 (0.05)	0.61 (0.05)	0.57 (0.04)	0.61 (0.04)	0.61 (0.05)	0.61 (0.04)	0.63 (0.04)	0												