Detailed results of predicting performance regression with different performance counters. Improvement are calculated by comparing with a random classifier. Bold values highlight the best predictors.

														Hado	юр															$\overline{}$
	Random Forest					LR					SVM					XG-50					XG-100					XG-500				
	Precision		Recall		AUC	Prec	Precision		Recall		Pre	cision	R	Recall AUC		Precision		Recall .		AUC	Precision		Recall		AUC	C Precision		Recall		AUC
		Improv.		Improv.	Value		Improv.		Improv.	Value	Value			Improv.	Value				Improv.	Value				Improv.	Value		Improv.	Value		Value
Response time	0.46	411%	0.75	29%	0.86	0.25	178%	0.37	-36%	0.69	0.35	289%	0.74		0.85	0.51	467%	0.73	26%	0.88	0.52	478%	0.74	28%	0.89	0.51	467%	0.72	24%	0.88
Cpu	0.43	514%	0.68	79%	0.86	0.23	229%	0.38	0%	0.59	0.44	529%	0.64	68%	0.77	0.42	500%	0.74	95%	0.73	0.41	486%	0.81	113%	0.71	0.41	486%	0.77	103%	0.70
Memory	0.49	717%	0.65	27%	0.87	0.25	317%	0.34	-33%	0.70	0.41	583%	0.65	27%	0.83	0.39	550%	0.68	33%	0.79	0.37	517%	0.61	20%	0.77	0.37	517%	0.62	22%	0.78
I/O Read	0.48	500%	0.65	38%	0.80	0.22	175%	0.22	-53%	0.59	0.36	350%	0.64	36%	0.81	0.33	313%	0.66	40%	0.78	0.39	388%	0.65	38%	0.75	0.37	363%	0.65	38%	0.71
I/O Write	0.40	471%	0.68	42%	0.78	0.27	286%	0.41	-15%	0.56	0.36	414%	0.68	42%	0.71	0.34	386%	0.61	27%	0.73	0.37	429%	0.55	15%	0.74	0.36	414%	0.69	44%	0.76
Average	0.45	511%	0.68	41%	0.83	0.24	230%	0.34	-29%	0.63	0.38	419%	0.67	38%	0.79	0.40	438%	0.68	41%	0.78	0.41	457%	0.67	39%	0.77	0.40	446%	0.69	43%	0.77
														Cassa	ndra															
	Random Forest					LR Precision Recall AUC					SVM							XG-50			XG-100					XG-500				
	Precision		Recall		AUC		Precision		Recall		Precision				AUC	Precision				AUC			ecall			Precision		Recall AUG		
		Improv.		Improv.	Value		Improv.		Improv.	Value	Value	Improv.		Improv.	Value	Value			Improv.	Value	Value	Improv.		Improv.	Value		Improv.	Value		Value
Response time	0.61	1425%	0.61	7%	0.78	0.26	550%	0.32	-44%	0.67	0.42	950%	0.67	18%	0.72	0.56	1300%	0.65	14%	0.69	0.52	1200%	0.71	25%	0.70	0.51	1175%	0.71	25%	0.68
Cpu	0.30	650%	0.65	81%	0.84	0.12	200%	0.14	-61%	0.70	0.37	825%	0.72	100%	0.64	0.28	600%	0.66	83%	0.60	0.31	675%	0.67	86%	0.61	0.31	675%	0.67	86%	0.62
Memory	0.32	700%	0.84	75%	0.91	0.14	250%	0.28	-42%	0.75	0.34	750%	0.75	56%	0.76	0.34	750%	0.71	48%	0.88	0.33	725%	0.65	35%	0.87	0.34	750%	0.65	35%	0.84
I/O Read	0.45	650%	0.62	24%	0.83	0.11	83%	0.24	-52%	0.57	0.41	583%	0.64	28%	0.68	0.41	583%	0.65	30%	0.74	0.39	550%	0.68	36%	0.73	0.40	567%	0.68	36%	0.70
I/O Write	0.25	1150%	0.67	18%	0.71	0.14	600%	0.18	-68%	0.57	0.28	1300%	0.67	18%	0.67	0.31	1450%	0.63	11%	0.67	0.27	1250%	0.68	19%	0.66	0.29	1350%	0.67	18%	0.62
Average	0.39	865%	0.68	37%	0.81	0.15	285%	0.23	-53%	0.65	0.36	810%	0.69	39%	0.69	0.38	850%	0.66	33%	0.72	0.36	810%	0.68	37%	0.71	0.37	825%	0.68	36%	0.69
Openjpa																														
	Random Forest					LR					SVM					XG-50					XG-100								XG-500	
	Precision		Recall		AUC		Precision		ecall	AUC	Precision				AUC			Recall		AUC		cision			AUC			Recall		AUC
		Improv.		Improv.	Value		Improv.		Improv.	Value	Value	Improv.		Improv.	Value	Value			Improv.	Value		Improv.		Improv.	Value		Improv.	Value		Value
Response time	0.26	333%	0.86	76%	0.90	0.29	383%	0.46	-6%	0.64	0.27	350%	0.78		0.54	0.28	367%	0.74	51%	0.86	0.27	350%	0.74	51%	0.84	0.27	350%	0.74	51%	0.78
Cpu	0.38	81%	0.76	43%	0.78	0.37	76%	0.53	0%	0.64	0.41	95%	0.64	21%	0.77	0.42	100%	0.73	38%	0.69	0.41	95%	0.72	36%	0.69	0.41	95%	0.72	36%	0.65
Memory	0.27	200%	0.78	56%	0.71	0.27	200%	0.30	-40%	0.54	0.25	178%	0.65	30%	0.69	0.33	267%	0.71	42%	0.69	0.31	244%	0.73	46%	0.69	0.30	233%	0.74	48%	0.68
I/O Read	0.36	64%	0.75	39%	0.75	0.35	59%	0.51	-6%	0.63	0.37	68%	0.76	41%	0.74	0.34	55%	0.80	48%	0.76	0.35	59%	0.81	50%	0.78	0.39	77%	0.80	48%	0.75
I/O Write	0.33	14%	0.78	50%	0.65	0.33	14%	0.52	0%	0.53	0.31	7%	0.82	58%	0.62	0.26	-10%	0.76	46%	0.54	0.26	-10%	0.76	46%	0.54	0.26	-10%	0.76	46%	0.55
Average	0.32	84%	0.79	52%	0.76	0.32	85%	0.46	-10%	0.60	0.32	85%	0.73	41%	0.67	0.33	87%	0.75	45%	0.71	0.32	84%	0.752	46%	0.71	0.33	87%	0.75	46%	0.68