TABLE III
THE ACCURACY OF RSMOTE TO PREDICT THE SEVERITY OF ECLIPSE.

		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
Eclipse_JDT_Debug	Original	70.78	71.08	68.37	70.78	71.08	70.25
	RUS	67.77	66.87	60.24	54.52	67.77	62.35
	ROS	67.77	71.08	70.08	68.67	71.08	69.40
	CMA	70.78	63.27	68.56	65.37	70.78	67.00
	SMOTE	71.39	65.06	63.25	71.39	71.39	67.77
	RSMOTE	71.59	68.37	70.08	67.87	71.59	69.48
		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
	Original	68.06	80.63	73.82	80.10	80.63	75.65
	RUS	55.50	72.77	62.30	52.88	72.77	60.86
Eclipse_CDT-core	ROS	66.49	80.63	76.96	73.82	80.63	74.48
	CMA	79.25	74.36	80.00	76.96	80.00	77.64
	SMOTE	79.58	73.82	80.17	75.92	80.17	77.37
	RSMOTE	80.80	73.65	81.15	79.58	81.15	78.80
		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
	Original	68.97	72.58	75.21	77.67	77.67	73.61
	RUS	69.46	69.95	62.73	54.68	69.95	64.21
Eclipse_JDT_Core	ROS	66.83	72.58	69.29	76.35	76.35	71.26
	CMA	77.01	66.67	71.76	78.28	78.28	73.43
	SMOTE	75.37	66.67	70.77	76.19	76.19	72.25
	RSMOTE	74.06	75.18	71.76	78.54	78.54	74.89
		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
	Original	70.52	71.90	66.67	71.90	71.90	70.25
Eclipse_PDE_UI	RUS	69.70	68.04	60.06	63.36	69.70	65.29
	ROS	68.87	71.90	68.60	64.74	71.90	68.53
	CMA	58.63	56.16	71.28	73.16	73.16	64.81
	SMOTE	73.55	65.01	72.45	69.42	73.55	70.11
	RSMOTE	70.52	74.10	72.91	74.75	74.75	73.07
		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
Eclipse_Platform_Debug Eclipse_Platform_UI	Original	62.97	52.36	58.96	58.96	62.97	58.31
	RUS	64.62	51.89	54.72	53.77	64.62	56.25
	ROS	66.51	52.36	67.45	61.79	67.45	62.03
	CMA	71.70	43.38	70.16	63.68	71.70	62.23
	SMOTE	69.81	52.36	68.40	58.02	69.81	62.15
	RSMOTE	72.48	53.46	67.30	63.21	72.48	64.11
		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
	Original	60.43	69.60	65.78	73.57	73.57	67.35
	RUS	61.30	58.70	62.02	67.73	67.73	62.44
	ROS	60.72	69.60	67.29	70.11	70.11	66.93
	CMA	58.63	55.79	70.13	73.25	73.25	64.45
	SMOTE	59.13	63.97	67.08	73.94	73.94	66.03
	RSMOTE	61.40	64.28	70.30	74.83	74.83	67.70
Eclipse_ALL		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
	AVG.	68.42	66.11	68.84	69.16	73.15	68.13

 $\label{eq:table_variance} TABLE\ V$ The accuracy of RSMOTE to predict the severity of $\emph{GNOME}.$

		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
	Original	77.57	79.04	82.72	83.64	83.64	80.74
	RUS	77.39	78.49	75.92	78.13	78.49	77.48
GNOME_Panel_Panel	ROS	77.21	78.86	81.99	84.19	84.19	80.56
	CMA	80.33	86.03	82.54	84.56	86.03	83.37
	SMOTE	79.78	80.70	81.80	83.09	83.09	81.34
	RSMOTE	79.47	86.52	83.09	84.80	86.52	83.47
		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
	Original	86.70	93.10	92.60	93.60	93.60	91.50
	RUS	83.54	92.93	89.11	92.02	92.93	89.40
GNOME_Terminal_General	ROS	92.02	93.10	93.02	93.10	93.10	92.81
	CMA	92.85	94.43	93.18	94.10	94.43	93.64
	SMOTE	92.69	87.61	92.19	93.85	93.85	91.59
	RSMOTE	93.52	95.15	92.38	94.02	95.15	93.77
		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
	Original	91.21	90.66	91.03	91.01	91.21	90.98
	RUS	91.76	95.24	91.21	90.48	95.24	92.17
GNOME_Ekiga_General	ROS	91.39	90.66	89.56	91.03	91.39	90.66
	CMA	91.39	91.39	93.04	91.76	93.04	91.90
	SMOTE	91.58	93.77	92.86	91.94	93.77	92.54
	RSMOTE	91.70	95.54	92.49	91.76	95.54	92.87
		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
	Original	79.30	81.78	82.28	81.73	82.28	81.27
	RUS	77.09	79.56	70.36	72.83	79.56	74.96
GNOME_Evolution_Calendar	ROS	79.13	81.18	81.94	76.75	81.94	79.75
	CMA	82.37	79.56	81.00	83.39	83.39	81.58
	SMOTE	81.77	79.05	79.90	81.18	81.77	80.48
	RSMOTE	81.40	83.28	80.64	82.57	83.28	81.97
		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
	Original	73.86	73.49	72.26	74.97	74.97	73.65
	RUS	71.52	73.61	68.43	66.72	73.61	70.07
GNOME_Evolution_Contacts	ROS	72.63	73.12	71.76	74.48	74.48	73.00
	CMA	73.61	79.65	76.57	71.39	79.65	75.31
	SMOTE	73.37	77.07	72.50	71.52	77.07	73.62
	RSMOTE	71.80	82.16	75.50	73.28	82.16	75.69
		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
	Original	76.76	76.94	73.94	76.76	76.94	76.10
	RUS	75.35	75.00	70.25	73.24	75.35	73.46
GNOME_Evolution_Shell	ROS	76.41	76.06	75.53	76.06	76.41	76.02
	CMA	77.46	81.51	75.00	76.06	81.51	77.51
	SMOTE	77.11	76.06	75.35	77.82	77.82	76.59
	RSMOTE	77.17	82.63	76.17	76.23	82.63	78.05
CNOME ALL		NB	KNN	RT	J48	MAX_ACC	AVG_ACC
GNOME_ALL	AVG.	81.67	83.75	81.95	82.61	84.72	82.50
	•	-	-	-	-		

TABLE VI THE F-measure of RSMOTE to predict the severity of Eclipse.

Eclipse_JDT_Debug R Eclipse_CDT_cdt-core Eclipse_JDT_Core	Original RUS ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE RSMOTE RSMOTE RSMOTE RSMOTE RSMOTE RSMOTE RSMOTE RSMOTE	NB 0.71 0.69 0.69 0.72 0.70 0.72 NB 0.70 0.60 0.78 0.78 0.78 0.81 NB 0.70 0.69 0.77 0.74	KNN 0.69 0.67 0.69 0.63 0.67 0.69 KNN 0.74 0.70 0.74 0.74 0.76 KNN 0.71 0.70 0.71	RT 0.68 0.62 0.70 0.68 0.64 0.70 RT 0.74 0.64 0.75 0.80 0.71 0.80 RT 0.73 0.64 0.69 0.72	J48 0.65 0.56 0.66 0.66 0.68 0.66 J48 0.71 0.57 0.73 0.77 J48 0.77 J48 0.75 0.57	MAX_F 0.71 0.69 0.70 0.72 0.70 0.72 MAX_F 0.74 0.70 0.75 0.80 0.78 0.81 MAX_F 0.75 0.70 0.76	AVG_F 0.68 0.64 0.69 0.67 0.67 0.69 AVG_F 0.72 0.63 0.77 0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_JDT_Debug R Eclipse_CDT_cdt-core Eclipse_JDT_Core	RUS ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE CONTROL ROS CMA SMOTE RSMOTE	0.69 0.69 0.72 0.70 0.72 NB 0.70 0.60 0.78 0.78 0.81 NB 0.70 0.69 0.77	0.67 0.69 0.63 0.67 0.69 KNN 0.74 0.70 0.74 0.74 0.76 KNN 0.71 0.70	0.62 0.70 0.68 0.64 0.70 RT 0.74 0.64 0.75 0.80 RT 0.73 0.64 0.69	0.56 0.66 0.68 0.66 0.68 0.71 0.57 0.73 0.77 0.74 0.77 J48 0.75 0.57 0.57	0.69 0.70 0.72 0.70 0.72 MAX_F 0.74 0.70 0.75 0.80 0.78 0.81 MAX_F 0.75 0.70 0.75	0.64 0.69 0.67 0.67 0.69 AVG_F 0.72 0.63 0.73 0.77 0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_CDT_cdt-core S R Eclipse_JDT_Core	ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE	0.69 0.72 0.70 0.72 NB 0.70 0.60 0.70 0.78 0.78 0.78 0.81 NB 0.70 0.69 0.77	0.69 0.63 0.67 0.69 KNN 0.74 0.74 0.74 0.74 0.76 KNN 0.71 0.70 0.71	0.70 0.68 0.64 0.70 RT 0.74 0.64 0.75 0.80 0.71 0.80 RT 0.73 0.64 0.69	0.66 0.68 0.66 0.68 0.66 J48 0.71 0.57 0.73 0.77 0.74 0.77 J48 0.75 0.57	0.70 0.72 0.70 0.72 MAX_F 0.74 0.70 0.75 0.80 0.78 0.81 MAX_F 0.75 0.70 0.76	0.69 0.67 0.67 0.69 AVG_F 0.72 0.63 0.73 0.77 0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_CDT_cdt-core S R Eclipse_JDT_Core	CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE	0.72 0.70 0.72 NB 0.70 0.60 0.78 0.78 0.81 NB 0.70 0.69 0.77	0.63 0.67 0.69 KNN 0.74 0.70 0.74 0.74 0.76 KNN 0.71 0.70 0.71	0.68 0.64 0.70 RT 0.74 0.64 0.75 0.80 0.71 0.80 RT 0.73 0.64 0.69	0.66 0.68 0.66 J48 0.71 0.57 0.73 0.77 0.74 0.77 J48 0.75 0.57 0.57	0.72 0.70 0.72 MAX_F 0.74 0.70 0.75 0.80 0.78 0.81 MAX_F 0.75 0.70 0.76	0.67 0.69 AVG_F 0.72 0.63 0.73 0.77 0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_CDT_cdt-core Eclipse_JDT_Core	SMOTE RSMOTE Original RUS ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOS CMA SMOTE	0.70 0.72 NB 0.70 0.60 0.70 0.78 0.78 0.81 NB 0.70 0.69 0.77	0.67 0.69 KNN 0.74 0.70 0.74 0.74 0.74 0.76 KNN 0.71 0.70	0.64 0.70 RT 0.74 0.64 0.75 0.80 0.71 0.80 RT 0.73 0.64 0.69	0.68 0.66 J48 0.71 0.57 0.73 0.77 0.74 0.77 J48 0.75 0.57 0.76	0.70 0.72 MAX_F 0.74 0.70 0.75 0.80 0.78 0.81 MAX_F 0.75 0.70 0.76	0.67 0.69 AVG_F 0.72 0.63 0.77 0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_CDT_cdt-core Eclipse_JDT_Core	Original RUS ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOS	0.72 NB 0.70 0.60 0.78 0.78 0.81 NB 0.70 0.69 0.77	0.69 KNN 0.74 0.70 0.74 0.74 0.76 KNN 0.71 0.70	0.70 RT 0.74 0.64 0.75 0.80 0.71 0.80 RT 0.73 0.64 0.69	0.66 J48 0.71 0.57 0.73 0.77 0.74 0.77 J48 0.75 0.57	0.72 MAX_F 0.74 0.70 0.75 0.80 0.78 0.81 MAX_F 0.75 0.70 0.76	0.69 AVG_F 0.72 0.63 0.73 0.77 0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_CDT_cdt-core S R Eclipse_JDT_Core	Original RUS ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE	NB 0.70 0.60 0.78 0.78 0.78 0.81 NB 0.70 0.69 0.77	KNN 0.74 0.70 0.74 0.74 0.74 0.76 KNN 0.71 0.70 0.71	RT 0.74 0.64 0.75 0.80 0.71 0.80 RT 0.73 0.64 0.69	J48 0.71 0.57 0.73 0.77 0.74 0.77 J48 0.75 0.57 0.76	MAX_F 0.74 0.70 0.75 0.80 0.78 0.81 MAX_F 0.75 0.70 0.76	AVG_F 0.72 0.63 0.73 0.77 0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_CDT_cdt-core R Eclipse_JDT_Core	RUS ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE	0.70 0.60 0.70 0.78 0.78 0.81 NB 0.70 0.70 0.69 0.77	0.74 0.70 0.74 0.74 0.74 0.76 KNN 0.71 0.70	0.74 0.64 0.75 0.80 0.71 0.80 RT 0.73 0.64 0.69	0.71 0.57 0.73 0.77 0.74 0.77 J48 0.75 0.57 0.76	0.74 0.70 0.75 0.80 0.78 0.81 MAX_F 0.75 0.70 0.76	0.72 0.63 0.73 0.77 0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_CDT_cdt-core R Eclipse_JDT_Core	RUS ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE	0.60 0.70 0.78 0.78 0.81 NB 0.70 0.70 0.69 0.77	0.70 0.74 0.74 0.74 0.76 KNN 0.71 0.70	0.64 0.75 0.80 0.71 0.80 RT 0.73 0.64 0.69	0.57 0.73 0.77 0.74 0.77 J48 0.75 0.57 0.76	0.70 0.75 0.80 0.78 0.81 MAX_F 0.75 0.70 0.76	0.63 0.73 0.77 0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_JDT_Core	ROS CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE	0.70 0.78 0.78 0.81 NB 0.70 0.70 0.69	0.74 0.74 0.74 0.76 KNN 0.71 0.70	0.75 0.80 0.71 0.80 RT 0.73 0.64 0.69	0.73 0.77 0.74 0.77 J48 0.75 0.57 0.76	0.75 0.80 0.78 0.81 MAX_F 0.75 0.70 0.76	0.73 0.77 0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_JDT_Core	CMA SMOTE RSMOTE Original RUS ROS CMA SMOTE	0.78 0.78 0.81 NB 0.70 0.70 0.69 0.77	0.74 0.74 0.76 KNN 0.71 0.70 0.71	0.80 0.71 0.80 RT 0.73 0.64 0.69	0.77 0.74 0.77 J48 0.75 0.57 0.76	0.80 0.78 0.81 MAX_F 0.75 0.70 0.76	0.77 0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_JDT_Core	SMOTE RSMOTE Original RUS ROS CMA SMOTE	0.78 0.81 NB 0.70 0.70 0.69 0.77	0.74 0.76 KNN 0.71 0.70 0.71	0.71 0.80 RT 0.73 0.64 0.69	0.74 0.77 J48 0.75 0.57 0.76	0.78 0.81 MAX_F 0.75 0.70 0.76	0.74 0.79 AVG_F 0.72 0.65 0.71
Eclipse_JDT_Core	Original RUS ROS CMA SMOTE	0.81 NB 0.70 0.70 0.69 0.77	0.76 KNN 0.71 0.70 0.71	0.80 RT 0.73 0.64 0.69	0.77 J48 0.75 0.57 0.76	0.81 MAX_F 0.75 0.70 0.76	0.79 AVG_F 0.72 0.65 0.71
Eclipse_JDT_Core	Original RUS ROS CMA SMOTE	NB 0.70 0.70 0.69 0.77	0.71 0.70 0.71	RT 0.73 0.64 0.69	J48 0.75 0.57 0.76	MAX_F 0.75 0.70 0.76	AVG_F 0.72 0.65 0.71
Eclipse_JDT_Core	RUS ROS CMA SMOTE	0.70 0.70 0.69 0.77	0.71 0.70 0.71	0.73 0.64 0.69	0.75 0.57 0.76	0.75 0.70 0.76	0.72 0.65 0.71
Eclipse_JDT_Core	RUS ROS CMA SMOTE	0.70 0.69 0.77	0.70 0.71	0.64 0.69	0.57 0.76	0.70 0.76	0.65 0.71
	ROS CMA SMOTE	0.69 0.77	0.71	0.69	0.76	0.76	0.71
	CMA SMOTE	0.77					
	SMOTE		0.66	0.72		0.50	0.72
		0.74			0.78	0.78	0.73
R	DCMOTE		0.68	0.71	0.75	0.75	0.72
	KSMOTE	0.74	0.70	0.72	0.78	0.78	0.74
1		NB	KNN	RT	J48	MAX_F	AVG_F
	Original	0.71	0.70	0.67	0.68	0.71	0.69
	RUS	0.71	0.70	0.62	0.64	0.71	0.67
Eclipse_PDE_UI	ROS	0.70	0.70	0.68	0.66	0.70	0.69
	CMA	0.61	0.56	0.71	0.72	0.72	0.65
	SMOTE	0.72	0.67	0.72	0.70	0.72	0.70
R	RSMOTE	0.71	0.75	0.73	0.73	0.75	0.73
		NB	KNN	RT	J48	MAX_F	AVG_F
	Original	0.68	0.53	0.59	0.59	0.68	0.60
	RUS	0.65	0.52	0.55	0.54	0.65	0.57
Eclipse_Platform_Debug	ROS	0.67	0.53	0.67	0.61	0.67	0.62
	CMA	0.70	0.43	0.70	0.63	0.70	0.62
	SMOTE	0.68	0.51	0.68	0.59	0.68	0.62
	RSMOTE	0.71	0.50	0.68	0.63	0.71	0.63
		NB	KNN	RT	J48	MAX_F	AVG_F
	Original	0.62	0.69	0.66	0.70	0.70	0.67
	RUS	0.63	0.61	0.63	0.68	0.68	0.64
Eclipse_Platform_UI	ROS	0.63	0.69	0.66	0.70	0.70	0.67
	CMA	0.61	0.56	0.71	0.73	0.73	0.65
	SMOTE	0.61	0.66	0.68	0.72	0.72	0.67
	RSMOTE	0.63	0.65	0.71	0.74	0.74	0.68
		NB	KNN	RT	J48	MAX_F	AVG_F
Eclipse_ALL —	AVG.	0.69	0.66	0.69	0.68	0.69	0.68

TABLE VIII THE F-measure of RSMOTE to predict the severity of GNOME.

		NB	KNN	RT	J48	MAX_F	AVG_F
	Original	0.79	0.74	0.82	0.82	0.82	0.79
	RUS	0.79	0.75	0.78	0.80	0.80	0.78
GNOME_Panel_Panel	ROS	0.79	0.74	0.81	0.84	0.84	0.80
	CMA	0.80	0.85	0.83	0.84	0.85	0.83
	SMOTE	0.80	0.81	0.81	0.83	0.83	0.81
	RSMOTE	0.80	0.87	0.83	0.84	0.87	0.84
		NB	KNN	RT	J48	MAX_F	AVG_F
	Original	0.89	0.91	0.92	0.92	0.92	0.91
	RUS	0.87	0.92	0.91	0.93	0.93	0.91
GNOME_Terminal_General	ROS	0.93	0.91	0.93	0.92	0.93	0.92
	CMA	0.91	0.95	0.94	0.94	0.95	0.94
	SMOTE	0.91	0.89	0.93	0.94	0.94	0.92
	RSMOTE	0.92	0.95	0.93	0.94	0.95	0.94
		NB	KNN	RT	J48	MAX_F	AVG_F
	Original	0.91	0.87	0.90	0.88	0.91	0.89
	RUS	0.93	0.95	0.92	0.92	0.95	0.93
GNOME_Ekiga_General	ROS	0.92	0.87	0.88	0.92	0.92	0.90
- 0-	CMA	0.91	0.91	0.93	0.93	0.93	0.92
	SMOTE	0.90	0.93	0.93	0.93	0.93	0.92
	RSMOTE	0.91	0.95	0.92	0.92	0.95	0.93
		NB	KNN	RT	J48	MAX_F	AVG_F
	Original	0.81	0.79	0.82	0.81	0.82	0.81
GNOME_Evolution_Calendar	RUS	0.79	0.79	0.74	0.76	0.79	0.77
	ROS	0.81	0.79	0.81	0.79	0.81	0.80
	CMA	0.82	0.82	0.82	0.83	0.83	0.82
	SMOTE	0.81	0.80	0.81	0.82	0.82	0.81
	RSMOTE	0.81	0.85	0.82	0.83	0.85	0.83
		NB	KNN	RT	J48	MAX_F	AVG_F
GNOME_Evolution_Contacts	Original	0.74	0.69	0.71	0.76	0.76	0.73
	RUS	0.72	0.73	0.70	0.68	0.73	0.71
	ROS	0.73	0.68	0.70	0.76	0.76	0.72
	CMA	0.72	0.81	0.77	0.72	0.81	0.76
	SMOTE	0.71	0.77	0.72	0.72	0.77	0.73
	RSMOTE	0.71	0.76	0.72	0.83	0.83	0.76
		NB	KNN	RT	J48	MAX_F	AVG_F
	Original	0.78	0.75	0.73	0.78	0.78	0.76
	RUS	0.76	0.76	0.71	0.74	0.76	0.74
GNOME_Evolution_Shell	ROS	0.77	0.75	0.76	0.77	0.77	0.76
	CMA	0.78	0.82	0.75	0.76	0.82	0.78
	SMOTE	0.77	0.77	0.76	0.77	0.77	0.77
	RSMOTE	0.77	0.83	0.77	0.76	0.83	0.78
CNIONEE AND		NB	KNN	RT	J48	MAX_F	AVG_F
GNOME_ALL	AVG.	0.82	0.83	0.82	0.83	0.85	0.82

Project	Product-Component	Same Classifier	Different Classifiers
	Platform-UI	J48	KNN, RT, J48
	JDT-Core	J48	NB, KNN, J48
Folingo	JDT-Debug	RT	NB, KNN, RT
Eclipse	Platform-Debug	NB	NB, RT, J48
	CDT-Core	NB	NB, KNN, RT
	PDE-UI	KNN	NB, KNN, RT
	Core-Layout	J48	NB, KNN, J48
Mozilla	Core-XPCOM	J48	NB, KNN, J48
MOZIIIa	Core-XUL	RT	NB, KNN, RT
	Core-XPConnect	J48	NB, RT, J48
	Evolution-Calendar	KNN	NB, KNN, J48
	Terminal-General	J48	NB, RT, J48
GNOME	Ekiga-General	KNN	NB, KNN, RT
	Evolution-Contacts	KNN	KNN, RT, J48
	Evolution-Shell	KNN	NB, KNN, RT
	Panel-Panel	KNN	KNN, RT, J48