

Table 1. Confusion matrix for the logistic regression on the full dataset

	Sick_true	Healthy_true
Sick_predicted	321	198
Healthy_predicted	281	665

Table 2. Confusion matrix for the logistic regression on the features selected by the stepwise method

	Sick_true	Healthy_true
Sick_predicted	313	201
Healthy_predicted	289	662

Table 3. Confusion matrix for the logistic regression on the features selected by the MOGA

	Sick_true	Healthy_true
Sick_predicted	314	181
Healthy_predicted	288	682

Table 4. Confusion matrix for the SVM model on the full dataset:

a) SVM, the degree of a polynomial kernel = 1.0

	Sick_true	Healthy_true
Sick_predicted	342	242
Healthy_predicted	260	621

b) SVM, the degree of a polynomial kernel = 1.5

	Sick_true	Healthy_true
Sick_predicted	352	347
Healthy_predicted	250	516

c) SVM, the degree of a polynomial kernel = 2.0

	Sick_true	Healthy_true
Sick_predicted	360	340
Healthy_predicted	242	523

Table 5. Confusion matrix for the SVM model on the features selected by the MOGA:

a) SVM, the degree of a polynomial kernel = 1.0

	Sick_true	Healthy_true
Sick_predicted	306	173
Healthy_predicted	296	690

b) SVM, the degree of a polynomial kernel = 1.5

	Sick_true	Healthy_true
Sick_predicted	311	162
Healthy_predicted	291	701

c) SVM, the degree of a polynomial kernel = 2.0

	Sick_true	Healthy_true
Sick_predicted	303	187
Healthy_predicted	299	676