

Using feature modification:

Accuracy with Original Features

accuracy: 81.97%

	true 0	true 1	class precision
pred. 0	29	7	80.56%
pred. 1	4	21	84.00%
class recall	87.88%	75.00%	

Accuracy with Original Features + Set-1

accuracy: 80.33%

	true 0	true 1	class precision
pred. 0	29	8	78.38%
pred. 1	4	20	83.33%
class recall	87.88%	71.43%	

Accuracy with Original Features + Set-2

accuracy: 80.33%

	true 0	true 1	class precision
pred. 0	29	8	78.38%
pred. 1	4	20	83.33%
class recall	87.88%	71.43%	

Accuracy with Original Features + Set-3

accuracy: 80.33%

	true 0	true 1	class precision
pred. 0	28	7	80.00%
pred. 1	5	21	80.77%
class recall	84.85%	75.00%	

Accuracy with Original Features + Set-1, Set-2, Set-3

accuracy: 80.33%

	true 0	true 1	class precision
pred. 0	29	8	78.38%
pred. 1	4	20	83.33%
class recall	87.88%	71.43%	

Using optimization modules:

Forward Selection

accuracy: 75.41%

	true 0	true 1	class precision
pred. 0	25	7	78.12%
pred. 1	8	21	72.41%
class recall	75.76%	75.00%	

Backward Elimination

accuracy: 80.33%

	true 0	true 1	class precision
pred. 0	28	7	80.00%
pred. 1	5	21	80.77%
class recall	84.85%	75.00%	

Minimum Redundancy Maximum Relevance (MRMR)

accuracy: 80.33%

	true 0	true 1	class precision
pred. 0	28	7	80.00%
pred. 1	5	21	80.77%
class recall	84.85%	75.00%	

Genetic Algorithms

accuracy: 90.16%

	true 0	true 1	class precision
pred. 0	30	3	90.91%
pred. 1	3	25	89.29%
class recall	90.91%	89.29%	