Feature Descriptor: CLBP

1. Feature Selection: CFS

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.591	0.557	0.557	0.551	0.556	0.555	0
J48 binary tree	0.729	0.679	0.679	0. 698	0.694	0.676	0
AODE	0.721	0.634	0.634	0.641	0.643	0.631	0
Bayes network	0.766	0.687	0.687	0.69	0.69	0.687	0
Naïve bay	0.76	0.679	0.679	0.683	0.684	0.679	0
SVM	0.603	0.611	0.611	0.595	0.623	0.593	0
Logistic	0.713	0.672	0.672	0.673	0.673	0.672	0
SMO	0.643	0.641	0.641	0.644	0.644	0.641	0
Muti layer	0.694	0.634	0.634	0.635	0.635	0.634	1.31

2. Feature Selection: Chi-Square

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.529	0.481	0.481	0.479	0.481	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.2
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.529	0.481	0.481	0.479	0.481	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.2
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.529	0.481	0.481	0.479	0.481	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.2
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.529	0.481	0.481	0.479	0.481	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.2
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.529	0.481	0.481	0.479	0.481	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.2
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.529	0.481	0.481	0.479	0.481	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.06
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

3. Feature Selection: Gain Ratio

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.593	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.5	0.473	0.473	0.475	0.475	0.473	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.08
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.593	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.5	0.473	0.473	0.475	0.475	0.473	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.08
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.593	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.5	0.473	0.473	0.475	0.475	0.473	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.08
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.593	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.5	0.473	0.473	0.475	0.475	0.473	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.08
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.593	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.5	0.473	0.473	0.475	0.475	0.473	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.08
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.593	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.5	0.473	0.473	0.475	0.475	0.473	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.08
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

4. Feature Selection: Information Gain

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.51	0.481	0.481	0.482	0.482	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.21
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.51	0.481	0.481	0.482	0.482	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.21
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.51	0.481	0.481	0.482	0.482	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.21
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.51	0.481	0.481	0.482	0.482	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.21
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.51	0.481	0.481	0.482	0.482	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.21
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME

J48	0.595	0.611	0.611	0.612	0.612	0.611	0
J48 binary tree	0.51	0.481	0.481	0.482	0.482	0.481	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.09
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

5. Feature Selection: Relief

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.616	0.634	0.634	0.635	0.635	0.634	0
J48 binary tree	0.521	0.496	0.496	0.491	0.494	0.494	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.16
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.616	0.634	0.634	0.635	0.635	0.634	0
J48 binary tree	0.521	0.496	0.496	0.491	0.494	0.494	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.16
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.616	0.634	0.634	0.635	0.635	0.634	0
J48 binary tree	0.521	0.496	0.496	0.491	0.494	0.494	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.16
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.616	0.634	0.634	0.635	0.635	0.634	0
J48 binary tree	0.521	0.496	0.496	0.491	0.494	0.494	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.16
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.616	0.634	0.634	0.635	0.635	0.634	0
J48 binary tree	0.521	0.496	0.496	0.491	0.494	0.494	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.16
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME

J48	0.616	0.634	0.634	0.635	0.635	0.634	0
J48 binary tree	0.521	0.496	0.496	0.491	0.494	0.494	0
AODE	0.624	0.542	0.542	0.55	0.549	0.537	0
Bayes network	0.618	0.542	0.542	0.549	0.548	0.539	0
Naïve bay	0.614	0.534	0.534	0.542	0.54	0.53	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.08
Logistic	0.535	0.534	0.534	0.538	0.537	0.533	1.16
SMO	0.564	0.565	0.565	0.563	0.565	0.565	0.05
Muti layer							