Feature Descriptor: LCP

1. Feature Selection: CFS

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.522	0.489	0.489	0.493	0.492	0.487	0
J48 binary tree	0.726	0.725	0.725	0.724	0.725	0.725	0
AODE	0.744	0.664	0.664	0.672	0.678	0.661	0
Bayes network	0.775	0.679	0.679	0.692	0.711	0.671	0
Naïve bay	0.77	0.679	0.679	0.694	0.717	0.717	0
SVM	0.653	0.656	0.656	0.65	0.658	0.654	0
Logistic	0.674	0.664	0.664	0.667	0.667	0.664	0
SMO	0.657	0.656	0.656	0.658	0.658	0.656	0
Muti layer	0.707	0.649	0.649	0.648	0.649	0.649	4.46

2. Feature Selection: Chi-Square

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.509	0.511	0.511	0.51	0.511	0.511	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.509	0.511	0.511	0.51	0.511	0.511	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.509	0.511	0.511	0.51	0.511	0.511	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.509	0.511	0.511	0.51	0.511	0.511	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.509	0.511	0.511	0.51	0.511	0.511	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.509	0.511	0.511	0.51	0.511	0.511	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

3. Feature Selection: Gain Ratio

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.517	0.504	0.504	0.501	0.503	0.503	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.517	0.504	0.504	0.501	0.503	0.503	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.517	0.504	0.504	0.501	0.503	0.503	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.517	0.504	0.504	0.501	0.503	0.503	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.517	0.504	0.504	0.501	0.503	0.503	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.517	0.504	0.504	0.501	0.503	0.503	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.33
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

4. Feature Selection: Information Gain

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.514	0.496	0.496	0.496	0.497	0.496	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.514	0.496	0.496	0.496	0.497	0.496	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.514	0.496	0.496	0.496	0.497	0.496	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.514	0.496	0.496	0.496	0.497	0.496	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.514	0.496	0.496	0.496	0.497	0.496	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME

J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.514	0.496	0.496	0.496	0.497	0.496	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

5. Feature Selection: Relief

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.543	0.543	0.543	0.532	0.534	0.534	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.543	0.543	0.543	0.532	0.534	0.534	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.543	0.543	0.543	0.532	0.534	0.534	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.543	0.543	0.543	0.532	0.534	0.534	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.543	0.543	0.543	0.532	0.534	0.534	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME

J48	0.485	0.504	0.504	0.509	0.507	0.502	0
J48 binary tree	0.543	0.543	0.543	0.532	0.534	0.534	0
AODE	0.586	0.542	0.542	0.551	0.55	0.536	0
Bayes network	0.627	0.58	0.58	0.588	0.588	0.576	0
Naïve bay	0.619	0.58	0.58	0.589	0.59	0.575	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.687	0.656	0.656	0.657	0.657	0.657	0.36
SMO	0.525	0.525	0.525	0.524	0.526	0.526	0.04
Muti layer							