Feature Descriptor: LCP

1. Feature Selection: CFS

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.538	0.55	0.55	0.554	0.553	0.549	0
J48 binary tree	0.6	0.588	0.588	0.591	0.591	0.587	0
AODE	0.71	0.634	0.634	0.637	0.637	0.633	0
Bayes network	0.746	0.679	0.679	0.687	0.691	0.677	0
Naïve bay	0.748	0.687	0.687	0.695	0.7	0.684	0
SVM	0.548	0.565	0.565	0.532	0.704	0.459	0
Logistic	0.512	0.504	0.504	0.505	0.505	0.504	0.19
SMO	0.55	0.55	0.55	0.55	0.55	0.55	0
Muti layer	0.664	0.58	0.58	0.581	0.581	0.58	17.44

2. Feature Selection: Chi-Square

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.556	0.55	0.55	0.549	0.55	0.55	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.18	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.9
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.04
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.556	0.55	0.55	0.549	0.55	0.55	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.18	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.86
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.04
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.556	0.55	0.55	0.549	0.55	0.55	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.18	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.9
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.04
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.556	0.55	0.55	0.549	0.55	0.55	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.18	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.9
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.04
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.556	0.55	0.55	0.549	0.55	0.55	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.18	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.9
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.04
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.556	0.55	0.55	0.549	0.55	0.55	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.18	0
SVM	0.5	0.519	0.519	0.481	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.9
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.04
Muti layer							

3. Feature Selection: Gain Ratio

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.553	0.519	0.519	0.519	0.52	0.519	0
J48 binary tree	0.563	0.565	0.565	0.562	0.564	0.564	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.618	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.03
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.94
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.07
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.553	0.519	0.519	0.519	0.52	0.519	0
J48 binary tree	0.563	0.565	0.565	0.562	0.564	0.564	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.618	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.03
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.85
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.07
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.553	0.519	0.519	0.519	0.52	0.519	0
J48 binary tree	0.563	0.565	0.565	0.562	0.564	0.564	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.618	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.03
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.94
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.07
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.553	0.519	0.519	0.519	0.52	0.519	0
J48 binary tree	0.563	0.565	0.565	0.562	0.564	0.564	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.618	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.03
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.94
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.07
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.553	0.519	0.519	0.519	0.52	0.519	0
J48 binary tree	0.563	0.565	0.565	0.562	0.564	0.564	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.618	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.03
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.89
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.07
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.553	0.519	0.519	0.519	0.52	0.519	0
J48 binary tree	0.563	0.565	0.565	0.562	0.564	0.564	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.618	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.03
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.84
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.07
Muti layer							

4. Feature Selection: Information Gain

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.561	0.557	0.557	0.555	0.557	0.557	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.02
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.93
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.561	0.557	0.557	0.555	0.557	0.557	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.02
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.91
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.561	0.557	0.557	0.555	0.557	0.557	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.02
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.93
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.561	0.557	0.557	0.555	0.557	0.557	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.02
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.93
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.561	0.557	0.557	0.555	0.557	0.557	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.02
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.93
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME

J48	0.546	0.511	0.511	0.512	0.513	0.512	0
J48 binary tree	0.561	0.557	0.557	0.555	0.557	0.557	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.02
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.93
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							

5. Feature Selection: Relief

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.559	0.519	0.519	0.519	0.519	0.519	0
J48 binary tree	0.497	0.511	0.511	0.507	0.51	0.51	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0.03
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.85
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.559	0.519	0.519	0.519	0.52	0.519	0
J48 binary tree	0.497	0.511	0.511	0.507	0.51	0.51	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0.03
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.83
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.559	0.519	0.519	0.519	0.52	0.519	0
J48 binary tree	0.497	0.511	0.511	0.507	0.51	0.51	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0.03
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.85
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							

K=40

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.559	0.519	0.519	0.519	0.52	0.519	0
J48 binary tree	0.497	0.511	0.511	0.507	0.51	0.51	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0.03
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.85
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							

K=50

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.559	0.519	0.519	0.519	0.52	0.519	0
J48 binary tree	0.497	0.511	0.511	0.507	0.51	0.51	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0.03
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.85
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							

K=60

Algorithm	AUC	AC	SN	SP	PR	FM	TIME

J48	0.559	0.519	0.519	0.519	0.52	0.519	0
J48 binary tree	0.497	0.511	0.511	0.507	0.51	0.51	0
AODE	0.595	0.611	0.611	0.61	0.611	0.611	0.03
Bayes network	0.669	0.641	0.641	0.643	0.643	0.641	0
Naïve bay	0.669	0.618	0.618	0.621	0.621	0.618	0
SVM	0.5	0.519	0.519	0.491	0.269	0.355	0.04
Logistic	0.506	0.519	0.519	0.515	0.518	0.518	0.85
SMO	0.501	0.504	0.504	0.498	0.502	0.501	0.05
Muti layer							