Feature Descriptor: LBP_hf

1. Feature Selection: CFS

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.504	0.527	0.527	0.535	0.533	0.522	0
J48 binary	0.66	0.588	0.588	0.591	0.591	0.587	0
tree							
AODE	0.734	0.649	0.649	0.657	0.662	0.645	0
Bayes	0.724	0.641	0.641	0.65	0.655	0.637	0
network							
Naïve bay	0.725	0.641	0.641	0.651	0.658	0.636	0
SVM	0.678	0.679	0.679	0.672	0.679	0.679	0
Logistic	0.667	0.625	0.625	0.631	0.632	0.625	0
SMO	0.673	0.672	0.672	0.675	0.675	0.671	0
Muti	0.762	0.664	0.664	0.665	0.666	0.664	3.74
layer							

2. Feature Selection: Chi-Square

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.564	0.557	0.557	0.556	0.557	0.557	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0.585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.35
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti	0.6	0.557	0.557	0.557	0.558	0.557	87.68
layer							

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.564	0.557	0.557	0.556	0.557	0.557	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0.585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.35
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti	0.6	0.557	0.557	0.557	0.558	0.557	87.68
layer							

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.564	0.557	0.557	0.556	0.557	0.557	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0.585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.35
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti	0.6	0.557	0.557	0.557	0.558	0.557	87.68
layer							

K=39

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.564	0.557	0.557	0.556	0.557	0.557	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0.585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.35
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti	0.6	0.557	0.557	0.557	0.558	0.557	87.68
layer							

3. Feature Selection: Gain Ratio

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.57	0.55	0.55	0.548	0.549	0.549	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.44
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03

Muti				100.48
layer				

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.57	0.55	0.55	0.548	0.549	0.549	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.44
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti							87.68
layer							

K=30

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.57	0.55	0.55	0.548	0.549	0.549	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.44
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti							87.68
layer							

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.57	0.55	0.55	0.548	0.549	0.549	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.44
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03

Muti				87.68
layer				

4. Feature Selection: Information Gain

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.576	0.565	0.565	0.563	0.565	0.565	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.25
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti							87.68
layer							

K=20

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.576	0.565	0.565	0.563	0.565	0.565	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.25
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti							87.68
layer							

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.576	0.565	0.565	0.563	0.565	0.565	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0

Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.25
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti							87.68
layer							

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.49	0.489	0.489	0.492	0.491	0.487	0
J48 binary	0.576	0.565	0.565	0.563	0.565	0.565	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.31
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti							87.68
layer							

5. Feature Selection: Relief

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.481	0.481	0.484	0.483	0.48	0
J48 binary	0.563	0.557	0.557	0.551	0.556	0.555	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.31
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti							87.68
layer							

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.481	0.481	0.484	0.483	0.48	0
J48 binary	0.563	0.557	0.557	0.551	0.556	0.555	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							

Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.31
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti							87.68
layer							

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.481	0.481	0.484	0.483	0.48	0
J48 binary	0.563	0.557	0.557	0.551	0.556	0.555	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.31
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti							87.68
layer							

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.485	0.481	0.481	0.484	0.483	0.48	0
J48 binary	0.563	0.557	0.557	0.551	0.556	0.555	0
tree							
AODE	0.611	0.557	0.557	0.562	0.561	0.556	0
Bayes	0.616	0.588	0.588	0.595	0.595	0. 585	0
network							
Naïve bay	0.62	0.588	0.588	0.595	0.595	0.585	0
SVM	0.465	0.481	0.481	0.449	0.391	0.37	0
Logistic	0.545	0.542	0.542	0.539	0.541	0.542	0.31
SMO	0.579	0.58	0.58	0.577	0.58	0.58	0.03
Muti							87.68
layer							