

Feature Descriptor: GLCM

1. Feature Selection: CFS

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.7	0.725	0.725	0.727	0.727	0.725	0
J48 binary tree	0.61	0.588	0.588	0.58	0.588	0.583	0
AODE	0.728	0.656	0.656	0.655	0.656	0.656	0
Bayes network	0.757	0.695	0.695	0.69	0.695	0.693	0
Naïve bay	0.756	0.702	0.702	0.697	0.703	0.701	0
SVM	0.704	0.71	0.71	0.699	0.724	0.703	0
Logistic	0.708	0.649	0.649	0.645	0.649	0.648	0
SMO	0.678	0.679	0.679	0.677	0.679	0.679	0
Muti layer	0.673	0.641	0.641	0.64	0.641	0.641	0.61

2. Feature Selection: Chi-Square

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.671	0.679	0.679	0.676	0.679	0.679	0
J48 binary tree	0.529	0.542	0.542	0.53	0.54	0.531	0
AODE	0.67	0.626	0.626	0.62	0.626	0.623	0
Bayes network	0.698	0.656	0.656	0.651	0.657	0.655	0
Naïve bay	0.699	0.679	0.679	0.674	0.681	0.677	0
SVM	0.558	0.573	0.573	0.544	0.626	0.504	0
Logistic	0.649	0.618	0.618	0.618	0.618	0.618	0
SMO	0.67	0.672	0.672	0.669	0.672	0.671	0
Muti layer	0.665	0.626	0.626	0.627	0.627	0.626	2.08

3. Feature Selection: Gain Ratio

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.671	0.679	0.679	0.676	0.679	0.679	0
J48 binary tree	0.529	0.542	0.542	0.53	0.54	0.531	0
AODE	0.67	0.626	0.626	0.62	0.626	0.623	0
Bayes network	0.698	0.656	0.656	0.651	0.657	0.655	0
Naïve bay	0.699	0.679	0.679	0.674	0.681	0.677	0
SVM	0.558	0.573	0.573	0.544	0.626	0.504	0

Logistic	0.649	0.618	0.618	0.618	0.618	0.618	0
SMO	0.67	0.672	0.672	0.669	0.672	0.671	0
Muti layer	0.665	0.588	0.588	0.591	0.591	0.587	2.12

4. Feature Selection: Information Gain

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.671	0.679	0.679	0.676	0.679	0.679	0
J48 binary tree	0.529	0.542	0.542	0.53	0.54	0.531	0
AODE	0.67	0.626	0.626	0.62	0.626	0.623	0
Bayes network	0.698	0.656	0.656	0.651	0.657	0.655	0
Naïve bay	0.699	0.679	0.679	0.674	0.681	0.677	0
SVM	0.558	0.573	0.573	0.544	0.626	0.504	0
Logistic	0.649	0.618	0.618	0.618	0.618	0.618	0
SMO	0.67	0.672	0.672	0.669	0.672	0.671	0
Muti layer	0.665	0.626	0.626	0.627	0.627	0.626	2.09

5. Feature Selection: Relief

K=10

Algorithm	AUC	AC	SN	SP	PR	FM	TIME
J48	0.671	0.679	0.679	0.676	0.679	0.679	0
J48 binary tree	0.529	0.542	0.542	0.53	0.54	0.531	0
AODE	0.67	0.626	0.626	0.62	0.626	0.623	0
Bayes network	0.698	0.656	0.656	0.651	0.657	0.655	0
Naïve bay	0.699	0.679	0.679	0.674	0.681	0.677	0
SVM	0.558	0.573	0.573	0.544	0.626	0.504	0
Logistic	0.649	0.618	0.618	0.618	0.618	0.618	0
SMO	0.67	0.672	0.672	0.669	0.672	0.671	0
Muti layer	0.652	0.611	0.611	0.611	0.611	0.611	2.07