**Result of Medial Femur**

1. **1st level GLCM**
2. **Feature Selection: CFS (bin =10)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.603** | **0.338** | **0.338** | **0.75** | **0.3** | **0.315** |
| **Bay Net** | **0.647** | **0.362** | **0.362** | **0.773** | **0.344** | **0.351** |
| **Naïve Base** | **0.647** | **0.377** | **0.377** | **0.77** | **0.348** | **0.36** |
| **SVM** | **0.514** | **0.354** | **0.354** | **0.673** | **0.253** | **0.23** |
| **Logistic** | **0.53** | **0.277** | **0.277** | **0.769** | **0.287** | **0.279** |
| **Multi Layers** | **0.573** | **0.292** | **0.292** | **0.764** | **0.301** | **0.295** |
| **SMO** | **0.61** | **0.354** | **0.354** | **0.749** | **0.318** | **0.331** |
| **J48** | **0.596** | **0.408** | **0.408** | **0.774** | **0.387** | **0.39** |
| **J48 Binary tree** | **0.604** | **0.377** | **0.377** | **0.764** | **0.348** | **0.36** |

1. **Feature Selection: CFS (bin =5)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.609** | **0.408** | **0.408** | **0.736** | **0.355** | **0.349** |
| **Bay Net** | **0.636** | **0.415** | **0.415** | **0.743** | **0.376** | **0.369** |
| **Naïve Base** | **0.637** | **0.438** | **0.438** | **0.745** | **0.418** | **0.385** |
| **SVM** | **0.585** | **0.438** | **0.438** | **0.742** | **0.28** | **0.341** |
| **Logistic** | **0.623** | **0.4** | **0.4** | **0.739** | **0.359** | **0.358** |
| **Multi Layers** | **0.597** | **0.4** | **0.4** | **0.749** | **0.348** | **0.354** |
| **SMO** | **0.639** | **0.408** | **0.408** | **0.735** | **0.325** | **0.343** |
| **J48** | **0.561** | **0.385** | **0.385** | **0.74** | **0.317** | **0.333** |
| **J48 Binary tree** | **0.598** | **0.392** | **0.392** | **0.731** | **0.267** | **0.317** |

1. **CLBP**
2. **Feature Selection: CFS (bin =10)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.736** | **0.469** | **0.469** | **0.781** | **0.411** | **0.428** |
| **Bay Net** | **0.789** | **0.569** | **0.569** | **0.819** | **0.58** | **0.553** |
| **Naïve Base** | **0.789** | **0.562** | **0.562** | **0.814** | **0.529** | **0.53** |
| **SVM** | **0.5** | **0.338** | **0.338** | **0.762** | **0.115** | **0.171** |
| **Logistic** | **0.731** | **0.485** | **0.485** | **0.836** | **0.491** | **0.483** |
| **Multi Layers** | **0.74** | **0.477** | **0.477** | **0.806** | **0.452** | **0.458** |
| **SMO** | **0.724** | **0.5** | **0.5** | **0.826** | **0.507** | **0.498** |
| **J48** | **0.575** | **0.346** | **0.346** | **0.764** | **0.325** | **0.333** |
| **J48 Binary tree** | **0.605** | **0.423** | **0.423** | **0.8** | **0.404** | **0.411** |

1. **Feature Selection: CFS (bin =5)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.748** | **0.531** | **0.531** | **0.814** | **0.512** | **0.505** |
| **Bay Net** | **0.737** | **0.492** | **0.492** | **0.811** | **0.475** | **0.478** |
| **Naïve Base** | **0.738** | **0.492** | **0.492** | **0.799** | **0.475** | **0.471** |
| **SVM** | **0.608** | **0.477** | **0.477** | **0.738** | **0.35** | **0.378** |
| **Logistic** | **0.686** | **0.446** | **0.446** | **0.82** | **0.453** | **0.449** |
| **Multi Layers** | **0.69** | **0.454** | **0.454** | **0.802** | **0.45** | **0.449** |
| **SMO** | **0.692** | **0.446** | **0.446** | **0.816** | **0.453** | **0.446** |
| **J48** | **0.54** | **0.262** | **0.262** | **0.768** | **0.28** | **0.269** |
| **J48 Binary tree** | **0.558** | **0.323** | **0.323** | **0.784** | **0.334** | **0.327** |

1. **Gabor**
2. **Feature Selection: CFS (bin =10)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.653** | **0.4** | **0.4** | **0.756** | **0.395** | **0.357** |
| **Bay Net** | **0.756** | **0.477** | **0.477** | **0.809** | **0.46** | **0.46** |
| **Naïve Base** | **0.739** | **0.446** | **0.446** | **0.787** | **0.44** | **0.428** |
| **SVM** | **0.5** | **0.338** | **0.338** | **0.762** | **0.115** | **0.171** |
| **Logistic** | **0.723** | **0.408** | **0.408** | **0.826** | **0.425** | **0.412** |
| **Multi Layers** | **0.717** | **0.454** | **0.454** | **0.775** | **0.454** | **0.433** |
| **SMO** | **0.653** | **0.431** | **0.431** | **0.8** | **0.435** | **0.425** |
| **J48** | **0.499** | **0.262** | **0.262** | **0.744** | **0.255** | **0.257** |
| **J48 Binary tree** | **0.534** | **0.246** | **0.246** | **0.751** | **0.247** | **0.244** |

1. **Feature Selection: CFS (bin =5)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.655** | **0.392** | **0.392** | **0.752** | **0.362** | **0.361** |
| **Bay Net** | **0.708** | **0.454** | **0.454** | **0.789** | **0.448** | **0.439** |
| **Naïve Base** | **0.697** | **0.454** | **0.454** | **0.793** | **0.451** | **0.44** |
| **SVM** | **0.5** | **0.338** | **0.338** | **0.762** | **0.115** | **0.171** |
| **Logistic** | **0.682** | **0.4** | **0.4** | **0.805** | **0.404** | **0.399** |
| **Multi Layers** | **0.724** | **0.423** | **0.423** | **0.8** | **0.419** | **0.419** |
| **SMO** | **0.657** | **0.408** | **0.408** | **0.703** | **0.413** | **0.4** |
| **J48** | **0.554** | **0.308** | **0.308** | **0.78** | **0.318** | **0.312** |
| **J48 Binary tree** | **0.522** | **0.231** | **0.231** | **0.753** | **0.25** | **0.239** |

1. **Haralick**
2. **Feature Selection: CFS (bin =10)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.52** | **0.3** | **0.3** | **0.732** | **0.284** | **0.29** |
| **Bay Net** | **0.52** | **0.254** | **0.254** | **0.737** | **0.241** | **0.247** |
| **Naïve Base** | **0.51** | **0.277** | **0.277** | **0.733** | **0.252** | **0.262** |
| **SVM** | **0.5** | **0.338** | **0.338** | **0.762** | **0.115** | **0.171** |
| **Logistic** | **0.55** | **0.238** | **0.238** | **0.754** | **0.238** | **0.237** |
| **Multi Layers** | **0.459** | **0.231** | **0.231** | **0.72** | **0.228** | **0.229** |
| **SMO** | **0.518** | **0.285** | **0.285** | **0.736** | **0.272** | **0.277** |
| **J48** | **0.452** | **0.215** | **0.215** | **0.665** | **0.147** | **0.168** |
| **J48 Binary tree** | **0.509** | **0.292** | **0.292** | **0.741** | **0.266** | **0.276** |

1. **Feature Selection: CFS (bin =5)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.608** | **0.385** | **0.385** | **0.762** | **0.347** | **0.362** |
| **Bay Net** | **0.586** | **0.3** | **0.3** | **0.759** | **0.295** | **0.297** |
| **Naïve Base** | **0.582** | **0.323** | **0.323** | **0.762** | **0.313** | **0.318** |
| **SVM** | **0.49** | **0.315** | **0.315** | **0.664** | **0.174** | **0.211** |
| **Logistic** | **0.595** | **0.3** | **0.3** | **0.77** | **0.303** | **0.301** |
| **Multi Layers** | **0.532** | **0.262** | **0.262** | **0.732** | **0.24** | **0.25** |
| **SMO** | **0.589** | **0.346** | **0.346** | **0.753** | **0.32** | **0.328** |
| **J48** | **0.563** | **0.323** | **0.323** | **0.727** | **0.284** | **0.297** |
| **J48 Binary tree** | **0.508** | **0.285** | **0.285** | **0.725** | **0.253** | **0.267** |

1. **LBP**
2. **Feature Selection: CFS (bin =10)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.798** | **0.562** | **0.562** | **0.804** | **0.553** | **0.518** |
| **Bay Net** | **0.822** | **0.562** | **0.562** | **0.83** | **0.544** | **0.539** |
| **Naïve Base** | **0.812** | **0.546** | **0.546** | **0.812** | **0.532** | **0.516** |
| **SVM** | **0.5** | **0.338** | **0.338** | **0.762** | **0.115** | **0.171** |
| **Logistic** | **0.714** | **0.415** | **0.415** | **0.84** | **0.455** | **0.428** |
| **Multi Layers** | **0.746** | **0.477** | **0.477** | **0.803** | **0.46** | **0.457** |
| **SMO** | **0.702** | **0.423** | **0.423** | **0.798** | **0.405** | **0.413** |
| **J48** | **0.529** | **0.285** | **0.285** | **0.719** | **0.247** | **0.258** |
| **J48 Binary tree** | **0.571** | **0.408** | **0.408** | **0.802** | **0.4** | **0.402** |

1. **Feature Selection: CFS (bin =5)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.731** | **0.454** | **0.454** | **0.749** | **0.516** | **0.42** |
| **Bay Net** | **0.78** | **0.546** | **0.546** | **0.814** | **0.537** | **0.528** |
| **Naïve Base** | **0.769** | **0.562** | **0.562** | **0.809** | **0.575** | **0.544** |
| **SVM** | **0.512** | **0.354** | **0.354** | **0.67** | **0.341** | **0.213** |
| **Logistic** | **0.718** | **0.385** | **0.385** | **0.819** | **0.412** | **0.393** |
| **Multi Layers** | **0.711** | **0.446** | **0.446** | **0.794** | **0.433** | **0.435** |
| **SMO** | **0.714** | **0.469** | **0.469** | **0.808** | **0.471** | **0.464** |
| **J48** | **0.52** | **0.262** | **0.262** | **0.744** | **0.257** | **0.258** |
| **J48 Binary tree** | **0.584** | **0.338** | **0.338** | **0.788** | **0.345** | **0.342** |

1. **LBP\_hf**
2. **Feature Selection: CFS (bin =10)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.566** | **0.323** | **0.323** | **0.731** | **0.261** | **0.281** |
| **Bay Net** | **0.649** | **0.346** | **0.346** | **0.747** | **0.326** | **0.332** |
| **Naïve Base** | **0.643** | **0.346** | **0.346** | **0.757** | **0.305** | **0.321** |
| **SVM** | **0.5** | **0.338** | **0.338** | **0.762** | **0.115** | **0.171** |
| **Logistic** | **0.582** | **0.3** | **0.3** | **0.781** | **0.316** | **0.307** |
| **Multi Layers** | **0.671** | **0.392** | **0.392** | **0.791** | **0.382** | **0.386** |
| **SMO** | **0.664** | **0.392** | **0.392** | **0.797** | **0.381** | **0.385** |
| **J48** | **0.525** | **0.308** | **0.308** | **0.769** | **0.288** | **0.291** |
| **J48 Binary tree** | **0.538** | **0.285** | **0.285** | **0.773** | **0.294** | **0.286** |

1. **Feature Selection: CFS (bin =5)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.614** | **0.354** | **0.354** | **0.745** | **0.368** | **0.344** |
| **Bay Net** | **0.672** | **0.4** | **0.4** | **0.769** | **0.396** | **0.392** |
| **Naïve Base** | **0.66** | **0.392** | **0.392** | **0.77** | **0.386** | **0.382** |
| **SVM** | **0.462** | **0.285** | **0.285** | **0.64** | **0.103** | **0.152** |
| **Logistic** | **0.61** | **0.323** | **0.323** | **0.777** | **0.327** | **0.322** |
| **Multi Layers** | **0.622** | **0.338** | **0.338** | **0.762** | **0.345** | **0.339** |
| **SMO** | **0.615** | **0.315** | **0.315** | **0.777** | **0.334** | **0.314** |
| **J48** | **0.599** | **0.354** | **0.354** | **0.789** | **0.362** | **0.356** |
| **J48 Binary tree** | **0.577** | **0.346** | **0.346** | **0.786** | **0.35** | **0.348** |

1. **LBP\_ri**
2. **Feature Selection: CFS (bin =10)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.617** | **0.4** | **0.4** | **0.74** | **0.293** | **0.334** |
| **Bay Net** | **0.596** | **0.4** | **0.4** | **0.751** | **0.345** | **0.353** |
| **Naïve Base** | **0.599** | **0.4** | **0.4** | **0.75** | **0.311** | **0.339** |
| **SVM** | **0.5** | **0.338** | **0.338** | **0.762** | **0.115** | **0.171** |
| **Logistic** | **0.53** | **0.292** | **0.292** | **0.778** | **0.298** | **0.292** |
| **Multi Layers** | **0.533** | **0.308** | **0.308** | **0.76** | **0.308** | **0.304** |
| **SMO** | **0.558** | **0.269** | **0.269** | **0.763** | **0.282** | **0.272** |
| **J48** | **0.476** | **0.285** | **0.285** | **0.741** | **0.264** | **0.273** |
| **J48 Binary tree** | **0.51** | **0.269** | **0.269** | **0.761** | **0.273** | **0.269** |

1. **Feature Selection: CFS (bin =5)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.582** | **0.4** | **0.4** | **0.744** | **0.307** | **0.335** |
| **Bay Net** | **0.601** | **0.408** | **0.408** | **0.765** | **0.339** | **0.358** |
| **Naïve Base** | **0.597** | **0.4** | **0.4** | **0.757** | **0.288** | **0.334** |
| **SVM** | **0.597** | **0.454** | **0.454** | **0.74** | **0.289** | **0.353** |
| **Logistic** | **0.551** | **0.254** | **0.254** | **0.791** | **0.288** | **0.261** |
| **Multi Layers** | **0.573** | **0.323** | **0.323** | **0.766** | **0.314** | **0.316** |
| **SMO** | **0.576** | **0.346** | **0.346** | **0.785** | **0.343** | **0.344** |
| **J48** | **0.562** | **0.315** | **0.315** | **0.735** | **0.269** | **0.286** |
| **J48 Binary tree** | **0.568** | **0.331** | **0.331** | **0.768** | **0.309** | **0.319** |

1. **LCP**
2. **Feature Selection: CFS (bin =10)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.648** | **0.423** | **0.423** | **0.77** | **0.421** | **0.408** |
| **Bay Net** | **0.734** | **0.477** | **0.477** | **0.823** | **0.467** | **0.471** |
| **Naïve Base** | **0.733** | **0.5** | **0.5** | **0.827** | **0.487** | **0.49** |
| **SVM** | **0.5** | **0.338** | **0.338** | **0.762** | **0.115** | **0.171** |
| **Logistic** | **0.715** | **0.4** | **0.4** | **0.826** | **0.43** | **0.411** |
| **Multi Layers** | **0.739** | **0.477** | **0.477** | **0.825** | **0.46** | **0.468** |
| **SMO** | **0.702** | **0.423** | **0.423** | **0.813** | **0.42** | **0.42** |
| **J48** | **0.505** | **0.231** | **0.231** | **0.738** | **0.223** | **0.226** |
| **J48 Binary tree** | **0.558** | **0.3** | **0.3** | **0.784** | **0.319** | **0.307** |

1. **Feature Selection: CFS (bin =5)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.706** | **0.485** | **0.485** | **0.795** | **0.482** | **0.463** |
| **Bay Net** | **0.738** | **0.5** | **0.5** | **0.834** | **0.509** | **0.499** |
| **Naïve Base** | **0.738** | **0.469** | **0.469** | **0.818** | **0.475** | **0.466** |
| **SVM** | **0.539** | **0.385** | **0.385** | **0.693** | **0.267** | **0.281** |
| **Logistic** | **0.626** | **0.3** | **0.3** | **0.791** | **0.324** | **0.31** |
| **Multi Layers** | **0.692** | **0.431** | **0.431** | **0.804** | **0.429** | **0.428** |
| **SMO** | **0.679** | **0.377** | **0.377** | **0.79** | **0.376** | **0.375** |
| **J48** | **0.57** | **0.331** | **0.331** | **0.778** | **0.328** | **0.328** |
| **J48 Binary tree** | **0.613** | **0.415** | **0.415** | **0.806** | **0.408** | **0.412** |

1. **LTP**
2. **Feature Selection: CFS (bin =10)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.702** | **0.5** | **0.5** | **0.79** | **0.502** | **0.478** |
| **Bay Net** | **0.741** | **0.469** | **0.469** | **0.795** | **0.464** | **0.457** |
| **Naïve Base** | **0.718** | **0.454** | **0.454** | **0.786** | **0.447** | **0.439** |
| **SVM** | **0.5** | **0.338** | **0.338** | **0.762** | **0.115** | **0.171** |
| **Logistic** | **0.673** | **0.392** | **0.392** | **0.809** | **0.405** | **0.397** |
| **Multi Layers** | **0.721** | **0.485** | **0.485** | **0.794** | **0.504** | **0.482** |
| **SMO** | **0.676** | **0.469** | **0.469** | **0.793** | **0.489** | **0.463** |
| **J48** | **0.628** | **0.446** | **0.446** | **0.798** | **0.41** | **0.425** |
| **J48 Binary tree** | **0.585** | **0.385** | **0.385** | **0.78** | **0.379** | **0.381** |

1. **Feature Selection: CFS (bin =5)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.736** | **0.508** | **0.508** | **0.811** | **0.532** | **0.492** |
| **Bay Net** | **0.714** | **0.462** | **0.462** | **0.824** | **0.466** | **0.454** |
| **Naïve Base** | **0.708** | **0.446** | **0.446** | **0.811** | **0.446** | **0.436** |
| **SVM** | **0.589** | **0.446** | **0.446** | **0.731** | **0.291** | **0.347** |
| **Logistic** | **0.62** | **0.362** | **0.362** | **0.804** | **0.375** | **0.363** |
| **Multi Layers** | **0.729** | **0.485** | **0.485** | **0.815** | **0.486** | **0.481** |
| **SMO** | **0.654** | **0.438** | **0.438** | **0.82** | **0.449** | **0.441** |
| **J48** | **0.603** | **0.423** | **0.423** | **0.785** | **0.41** | **0.409** |
| **J48 Binary tree** | **0.605** | **0.408** | **0.408** | **0.819** | **0.411** | **0.407** |

1. **RLBP**
2. **Feature Selection: CFS (bin =10)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.787** | **0.508** | **0.508** | **0.786** | **0.468** | **0.454** |
| **Bay Net** | **0.798** | **0.562** | **0.562** | **0.823** | **0.551** | **0.537** |
| **Naïve Base** | **0.797** | **0.554** | **0.554** | **0.814** | **0.523** | **0.516** |
| **SVM** | **0.5** | **0.338** | **0.338** | **0.762** | **0.115** | **0.171** |
| **Logistic** | **0.759** | **0.515** | **0.515** | **0.849** | **0.525** | **0.52** |
| **Multi Layers** | **0.734** | **0.446** | **0.446** | **0.795** | **0.441** | **0.435** |
| **SMO** | **0.695** | **0.446** | **0.446** | **0.796** | **0.431** | **0.434** |
| **J48** | **0.569** | **0.338** | **0.338** | **0.763** | **0.329** | **0.333** |
| **J48 Binary tree** | **0.537** | **0.285** | **0.285** | **0.75** | **0.269** | **0.276** |

1. **Feature Selection: CFS (bin =5)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Algorithm** | **AUC** | **AC** | **SN** | **SP** | **PR** | **FM** |
| **AODE** | **0.773** | **0.492** | **0.492** | **0.768** | **0.405** | **0.424** |
| **Bay Net** | **0.795** | **0.492** | **0.492** | **0.796** | **0.463** | **0.454** |
| **Naïve Base** | **0.79** | **0.5** | **0.5** | **0.783** | **0.471** | **0.445** |
| **SVM** | **0.572** | **0.431** | **0.431** | **0.713** | **0.336** | **0.322** |
| **Logistic** | **0.765** | **0.477** | **0.477** | **0.828** | **0.48** | **0.476** |
| **Multi Layers** | **0.771** | **0.538** | **0.538** | **0.834** | **0.507** | **0.522** |
| **SMO** | **0.731** | **0.523** | **0.523** | **0.829** | **0.518** | **0.518** |
| **J48** | **0.483** | **0.269** | **0.269** | **0.733** | **0.263** | **0.264** |
| **J48 Binary tree** | **0.659** | **0.438** | **0.438** | **0.832** | **0.46** | **0.445** |