**Homo Sapiens**

**Cross validation: cv = 10; 90% data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classifier Name** | **ACC (%)** | **Sn (%)** | **Sp (%)** | **MCC** | **f1\_score** |
| **SVM** | **83.46%** | **68.78%** | **98.14%** | **0.70** | **0.80** |
| **XGBOOST** | **83.12%** | **69.25%** | **96.99%** | **0.68** | **0.80** |
| **AdaBoost** | **82.17%** | **74.76%** | **89.58%** | **0.65** | **0.80** |
| **RF** | **80.63%** | **61.27%** | **100.00%** | **0.66** | **0.75** |
| **LightGBM** | **83.33%** | **71.18%** | **95.48%** | **0.68** | **0.81** |
| **LDA** | **82.82%** | **67.47%** | **98.18%** | **0.69** | **0.79** |
| **QDA** | **76.81%** | **72.80%** | **80.81%** | **0.55** | **0.76** |
| **Bagging** | **82.12%** | **71.62%** | **92.61%** | **0.65** | **0.80** |
| **DT** | **81.94%** | **64.04%** | **99.84%** | **0.68** | **0.78** |
| **ET** | **81.51%** | **69.28%** | **93.75%** | **0.65** | **0.78** |
| **GB** | **82.30%** | **72.95%** | **91.65%** | **0.65** | **0.80** |
| **MLP** | **83.50%** | **73.60%** | **93.40%** | **0.68** | **0.81** |

**Homo Sapiens**

**Independent Test set; 10% data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classifier Name** | **ACC (%)** | **Sn (%)** | **Sp (%)** | **MCC** | **f1\_score** |
| **SVM** | **86.94%** | **76.39%** | **97.49%** | **0.75** | **0.85** |
| **XGBOOST** | **85.83%** | **76.78%** | **96.43%** | **0.74** | **0.83** |
| **AdaBoost** | **84.95%** | **80.80%** | **89.09%** | **0.70** | **0.84** |
| **RF** | **84.06%** | **68.24%** | **100.00%** | **0.71** | **0.81** |
| **LightGBM** | **86.66%** | **78.26%** | **95.05%** | **0.74** | **0.85** |
| **LDA** | **86.22%** | **74.62%** | **97.81%** | **0.74** | **0.84** |
| **QDA** | **84.40%** | **76.00%** | **92.80%** | **0.69** | **0.82** |
| **Bagging** | **85.17%** | **78.44%** | **91.10%** | **0.70** | **0.84** |
| **DT** | **86.16%** | **72.65%** | **99.68%** | **0.75** | **0.84** |
| **ET** | **85.97%** | **77.69%** | **94.24%** | **0.72** | **0.84** |
| **GB** | **85.76%** | **79.42%** | **92.09%** | **0.72** | **0.84** |
| **MLP** | **86.60%** | **79.95%** | **93.54%** | **0.74** | **0.85** |