*Analiza prin clasificare supervizata*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Method | Accuracy | Precision | Recall | Hyperparameters | Kaggle score |
| Decision tree | 82.82% | 71.29% | 82.1% | minsplit: 20  cp: 0.005 | 0.79904 |
| Naive bayes | 79.12% | 72.85% | 72.73% |  | 0.75598 |
| KNN | 70.39% | 59.67% | 59.84% | k: 10 | 0.66028 |
| Random forest | 82.82% | 70.2% | 82.5% | nTree: 500 | 0.77990 |
| xgBoost | 81.93% | 69.77% | 80.58 | max.depth: 10  eta: 0.2  nthread: 2  nround: 2  objective: "binary:logistic" | 0.76555 |
| Neural network | 80.02% | 65.8% | 78.67% | hidden: 2  threshold: 0.01 | 0.76555 |
| SVM | 80.58 | 66.59 | 79.31 | cost: 100  gamma: 1 | 0.74162 |