## Accuracy

| | Bagging NB | Baggning TREE | Bagging kNN | AdaBoost NB | AdaBoost Tree | S |
|---|---|---|---|---|---|---|
| seeds | 0.9 | 0.9 | **0.93** | 0.87 | 0.91 | |
| new_thyroid | 0.96 | **0.97** | 0.96 | **0.97** | **0.97** | |
| vehicle | 0.66 | **0.95** | 0.92 | 0.86 | 0.94 | |
| ionosphere | 0.87 | **0.89** | 0.81 | 0.79 | 0.87 | |
| vertebal | **0.78** | 0.72 | 0.73 | 0.6 | 0.72 | |
| yeastME3 | 0.22 | 0.94 | **0.95** | 0.84 | 0.92 | |
| ecoli | 0.81 | 0.89 | 0.89 | **0.9** | 0.88 | |
| bupa | 0.56 | **0.69** | 0.68 | 0.56 | 0.65 | |
| horse_colic | 0.77 | **0.85** | 0.72 | 0.66 | 0.8 | |
| german | 0.71 | **0.74** | 0.7 | 0.57 | 0.68 | |
| breast_cancer | 0.71 | **0.72** | 0.65 | 0.35 | 0.69 | |
| cmc | 0.68 | 0.74 | **0.75** | 0.63 | 0.72 | |
| hepatitis | 0.65 | **0.73** | 0.72 | 0.55 | 0.7 | |
| haberman | **0.74** | 0.69 | 0.7 | 0.67 | 0.63 | |
| transfusion | **0.74** | 0.69 | 0.73 | 0.73 | 0.69 | |
| car | 0.9 | 0.67 | **0.94** | 0.91 | 0.67 | |
| glass | 0.52 | 0.86 | **0.88** | 0.79 | 0.72 | |
| abalone16_29 | 0.69 | 0.93 | **0.94** | 0.55 | 0.91 | |
| solar_flare | 0.64 | 0.94 | **0.96** | 0.32 | 0.93 | |
| heart_cleveland | 0.8 | 0.84 | **0.87** | 0.8 | 0.79 | |
| balance_scale | **0.92** | 0.89 | **0.92** | **0.92** | 0.85 | |
| postoperative | 0.62 | 0.61 | **0.67** | 0.54 | 0.62 | |

## Sensitivity

| | Bagging NB | Baggning TREE | Bagging kNN | AdaBoost NB | AdaBoost Tree | S |
|---|---|---|---|---|---|---|
| seeds | 0.9 | **0.94** | 0.92 | 0.9 | **0.94** | |
| new_thyroid | 0.97 | 0.98 | **1.0** | 0.98 | 0.98 | |
| vehicle | 0.61 | **0.98** | 0.94 | **0.98** | 0.96 | |
| ionosphere | 0.92 | 0.94 | **0.98** | 0.87 | 0.89 | |
| vertebal | **0.73** | 0.7 | 0.71 | 0.5 | 0.7 | |
| yeastME3 | 0.12 | 0.97 | **0.98** | 0.88 | 0.95 | |
| ecoli | 0.79 | 0.93 | 0.93 | **0.97** | 0.91 | |
| bupa | 0.43 | **0.84** | 0.83 | 0.77 | 0.69 | |
| horse_colic | 0.78 | 0.89 | 0.81 | **0.94** | 0.82 | |
| german | 0.74 | **0.88** | 0.87 | 0.68 | 0.78 | |
| breast_cancer | 0.83 | **0.87** | 0.85 | 0.2 | 0.84 | |
| cmc | 0.69 | 0.87 | **0.9** | 0.73 | 0.84 | |
| hepatitis | 0.63 | 0.81 | **0.9** | 0.59 | 0.74 | |
| haberman | **0.94** | 0.86 | 0.85 | 0.84 | 0.68 | |
| transfusion | **0.91** | 0.82 | 0.87 | 0.87 | 0.82 | |
| car | 0.89 | 0.68 | **0.95** | 0.92 | 0.68 | |
| glass | 0.51 | 0.94 | **0.95** | 0.85 | 0.77 | |
| abalone16_29 | 0.7 | 0.98 | **0.99** | 0.56 | 0.95 | |
| solar_flare | 0.63 | 0.98 | **0.99** | 0.32 | 0.97 | |
| heart_cleveland | 0.83 | 0.95 | **0.99** | 0.88 | 0.87 | |
| balance_scale | **1.0** | 0.97 | **1.0** | 0.99 | 0.92 | |
| postoperative | 0.8 | 0.8 | **0.91** | 0.59 | 0.8 | |

## Specificity

| | Bagging NB | Baggning TREE | Bagging kNN | AdaBoost NB | AdaBoost Tree | S |
|---|---|---|---|---|---|---|
| seeds | 0.91 | 0.84 | **0.94** | 0.81 | 0.86 | |
| new_thyroid | 0.87 | 0.87 | 0.73 | **0.93** | 0.87 | |
| vehicle | 0.85 | 0.86 | 0.84 | 0.46 | **0.88** | |
| ionosphere | 0.77 | 0.82 | 0.5 | 0.64 | 0.82 | |
| vertebal | **0.87** | 0.75 | 0.78 | 0.79 | 0.76 | |
| yeastME3 | **0.99** | 0.69 | 0.67 | 0.49 | 0.72 | |
| ecoli | **0.94** | 0.54 | 0.54 | 0.37 | 0.66 | |
| bupa | **0.74** | 0.47 | 0.48 | 0.27 | 0.58 | |
| horse_colic | 0.75 | 0.77 | 0.57 | 0.2 | 0.76 | |
| german | **0.65** | 0.41 | 0.31 | 0.32 | 0.45 | |
| breast_cancer | 0.44 | 0.35 | 0.18 | **0.71** | 0.35 | |
| cmc | **0.62** | 0.3 | 0.25 | 0.28 | 0.3 | |
| hepatitis | **0.72** | 0.41 | 0.03 | 0.38 | 0.56 | |
| haberman | 0.17 | 0.22 | 0.27 | 0.22 | **0.52** | |
| transfusion | 0.21 | 0.28 | 0.3 | **0.31** | 0.28 | |
| car | **1.0** | 0.46 | 0.45 | 0.69 | 0.46 | |
| glass | **0.71** | 0.0 | 0.06 | 0.12 | 0.18 | |
| abalone16_29 | **0.57** | 0.2 | 0.11 | 0.31 | 0.32 | |
| solar_flare | **0.88** | 0.12 | 0.05 | 0.26 | 0.02 | |
| heart_cleveland | **0.57** | 0.06 | 0.0 | 0.14 | 0.17 | |
| balance_scale | 0.0 | 0.0 | 0.0 | 0.0 | **0.04** | |
| postoperative | 0.12 | 0.08 | 0.0 | **0.42** | 0.12 | |

## F-1 klasa mniejszosciowa

| | Bagging NB | Baggning TREE | Bagging kNN | AdaBoost NB | AdaBoost Tree | S |
|---|---|---|---|---|---|---|
| seeds | 0.86 | 0.86 | **0.9** | 0.81 | 0.86 | |
| new_thyroid | 0.85 | 0.88 | 0.85 | **0.9** | 0.88 | |
| vehicle | 0.54 | **0.9** | 0.83 | 0.6 | 0.88 | |
| ionosphere | 0.81 | **0.85** | 0.65 | 0.69 | 0.81 | |
| vertebal | **0.72** | 0.63 | 0.65 | 0.56 | 0.64 | |
| yeastME3 | 0.22 | **0.73** | **0.73** | 0.4 | 0.67 | |
| ecoli | 0.5 | 0.51 | 0.51 | 0.45 | **0.53** | |
| bupa | **0.58** | 0.55 | 0.55 | 0.34 | **0.58** | |
| horse_colic | 0.7 | **0.79** | 0.6 | 0.3 | 0.73 | |
| german | **0.58** | 0.49 | 0.38 | 0.31 | 0.46 | |
| breast_cancer | **0.47** | 0.43 | 0.23 | 0.39 | 0.41 | |
| cmc | **0.46** | 0.34 | 0.31 | 0.26 | 0.33 | |
| hepatitis | **0.46** | 0.38 | 0.04 | 0.26 | 0.44 | |
| haberman | 0.26 | 0.28 | 0.32 | 0.26 | **0.43** | |
| transfusion | 0.28 | 0.3 | 0.35 | **0.36** | 0.31 | |
| car | **0.42** | 0.1 | 0.34 | 0.38 | 0.1 | |
| glass | **0.19** | 0.0 | 0.07 | 0.08 | 0.09 | |
| abalone16_29 | 0.19 | 0.27 | 0.19 | 0.08 | **0.31** | |
| solar_flare | **0.16** | 0.14 | 0.08 | 0.03 | 0.03 | |
| heart_cleveland | **0.4** | 0.08 | 0.0 | 0.14 | 0.16 | |
| balance_scale | 0.0 | 0.0 | 0.0 | 0.0 | **0.04** | |
| postoperative | 0.15 | 0.1 | 0.0 | **0.33** | 0.15 | |

## G-mean

| | Bagging NB | Baggning TREE | Bagging kNN | AdaBoost NB | AdaBoost Tree | S |
|---|---|---|---|---|---|---|
| seeds | 0.91 | 0.89 | **0.93** | 0.86 | 0.9 | |
| new_thyroid | 0.92 | 0.92 | 0.86 | **0.96** | 0.92 | |
| vehicle | 0.72 | **0.92** | 0.89 | 0.67 | **0.92** | |
| ionosphere | 0.84 | **0.88** | 0.7 | 0.75 | 0.85 | |
| vertebal | **0.8** | 0.73 | 0.74 | 0.63 | 0.73 | |
| yeastME3 | 0.34 | 0.82 | 0.81 | 0.66 | **0.83** | |
| ecoli | **0.86** | 0.71 | 0.71 | 0.6 | 0.77 | |
| bupa | 0.57 | **0.63** | **0.63** | 0.45 | **0.63** | |
| horse_colic | 0.76 | **0.83** | 0.68 | 0.43 | 0.79 | |
| german | **0.69** | 0.6 | 0.52 | 0.46 | 0.59 | |
| breast_cancer | **0.6** | 0.55 | 0.39 | 0.37 | 0.54 | |
| cmc | **0.65** | 0.51 | 0.47 | 0.45 | 0.5 | |
| hepatitis | **0.68** | 0.57 | 0.17 | 0.47 | 0.65 | |
| haberman | 0.4 | 0.44 | 0.48 | 0.43 | **0.59** | |
| transfusion | 0.43 | 0.48 | 0.51 | **0.52** | 0.48 | |
| car | **0.94** | 0.56 | 0.65 | 0.8 | 0.56 | |
| glass | **0.6** | 0.0 | 0.24 | 0.32 | 0.37 | |
| abalone16_29 | **0.63** | 0.44 | 0.34 | 0.42 | 0.55 | |
| solar_flare | **0.75** | 0.34 | 0.22 | 0.29 | 0.15 | |
| heart_cleveland | **0.69** | 0.23 | 0.0 | 0.36 | 0.39 | |
| balance_scale | 0.0 | 0.0 | 0.0 | 0.0 | **0.19** | |
| postoperative | 0.32 | 0.26 | 0.0 | **0.5** | 0.32 | |