

Accuracy

| | TREE | CLFE | CLFE CV | CLFE F1 | CLFE F1 CV | CLFE G | CLFE G CV |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| seeds | 0.89 | 0.91 | 0.92 | 0.88 | 0.91 | 0.89 | 0.92 |
| new_thyroid | 0.96 | 0.96 | 0.97 | 0.96 | 0.96 | 0.96 | 0.96 |
| vehicle | 0.89 | 0.9 | 0.9 | 0.93 | 0.93 | 0.93 | 0.89 |
| ionosphere | 0.89 | 0.9 | 0.89 | 0.89 | 0.89 | 0.89 | 0.88 |
| vertebal | 0.73 | 0.79 | 0.78 | 0.81 | 0.78 | 0.82 | 0.78 |
| yeastME3 | 0.95 | 0.94 | 0.94 | 0.95 | 0.94 | 0.95 | 0.95 |
| ecoli | 0.91 | 0.9 | 0.9 | 0.9 | 0.94 | 0.85 | 0.77 |
| bupa | 0.67 | 0.64 | 0.64 | 0.64 | 0.65 | 0.64 | 0.63 |
| horse_colic | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 |
| german | 0.73 | 0.75 | 0.75 | 0.72 | 0.74 | 0.73 | 0.73 |
| breast_cancer | 0.72 | 0.72 | 0.73 | 0.72 | 0.73 | 0.67 | 0.73 |
| cmc | 0.78 | 0.76 | 0.76 | 0.75 | 0.74 | 0.69 | 0.68 |
| hepatitis | 0.77 | 0.79 | 0.74 | 0.77 | 0.72 | 0.77 | 0.66 |
| haberman | 0.74 | 0.75 | 0.71 | 0.75 | 0.71 | 0.76 | 0.71 |
| transfusion | 0.78 | 0.69 | 0.77 | 0.67 | 0.71 | 0.67 | 0.66 |
| car | 0.96 | 0.88 | 0.92 | 0.97 | 0.93 | 0.96 | 0.88 |
| glass | 0.89 | 0.87 | 0.7 | 0.88 | 0.81 | 0.74 | 0.45 |
| abalone16_29 | 0.94 | 0.94 | 0.94 | 0.93 | 0.91 | 0.68 | 0.68 |
| solar_flare | 0.95 | 0.94 | 0.91 | 0.92 | 0.84 | 0.67 | 0.67 |
| heart_cleveland | 0.84 | 0.84 | 0.78 | 0.79 | 0.82 | 0.8 | 0.8 |
| balance_scale | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| postoperative | 0.7 | 0.69 | 0.71 | 0.73 | 0.72 | 0.73 | 0.71 |

Sensitivity

| | TREE | CLFE | CLFE CV | CLFE F1 | CLFE F1 CV | CLFE G | CLFE G CV |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| seeds | 0.89 | 0.91 | 0.93 | 0.89 | 0.92 | 0.89 | 0.93 |
| new_thyroid | 0.98 | 0.98 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 |
| vehicle | 0.89 | 0.89 | 0.89 | 0.95 | 0.95 | 0.95 | 0.89 |
| ionosphere | 0.91 | 0.97 | 0.98 | 0.91 | 0.93 | 0.91 | 0.93 |
| vertebal | 0.77 | 0.81 | 0.73 | 0.85 | 0.73 | 0.85 | 0.73 |
| yeastME3 | 0.97 | 0.96 | 0.96 | 0.98 | 0.97 | 0.97 | 0.97 |
| ecoli | 0.97 | 0.94 | 0.94 | 0.95 | 0.96 | 0.85 | 0.75 |
| bupa | 0.7 | 0.77 | 0.71 | 0.76 | 0.71 | 0.76 | 0.71 |
| horse_colic | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| german | 0.87 | 0.88 | 0.87 | 0.86 | 0.82 | 0.77 | 0.78 |
| breast_cancer | 0.91 | 0.9 | 0.9 | 0.9 | 0.87 | 0.83 | 0.85 |
| cmc | 0.9 | 0.86 | 0.87 | 0.88 | 0.83 | 0.75 | 0.7 |
| hepatitis | 0.88 | 0.9 | 0.77 | 0.88 | 0.72 | 0.88 | 0.63 |
| haberman | 0.86 | 0.9 | 0.86 | 0.89 | 0.88 | 0.88 | 0.84 |
| transfusion | 0.92 | 0.82 | 0.91 | 0.79 | 0.85 | 0.79 | 0.79 |
| car | 1.0 | 0.88 | 0.93 | 0.98 | 0.94 | 0.97 | 0.88 |
| glass | 0.95 | 0.93 | 0.73 | 0.95 | 0.83 | 0.78 | 0.43 |
| abalone16_29 | 1.0 | 0.99 | 0.99 | 0.99 | 0.96 | 0.69 | 0.69 |
| solar_flare | 0.99 | 0.98 | 0.95 | 0.95 | 0.85 | 0.66 | 0.66 |
| heart_cleveland | 0.94 | 0.95 | 0.82 | 0.87 | 0.9 | 0.82 | 0.82 |
| balance_scale | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| postoperative | 0.95 | 0.94 | 0.94 | 0.97 | 0.95 | 0.95 | 0.94 |

Specificity

| | TREE | CLFE | CLFE CV | CLFE F1 | CLFE F1 CV | CLFE G | CLFE G CV |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| seeds | 0.87 | 0.93 | 0.9 | 0.87 | 0.9 | 0.87 | 0.91 |
| new_thyroid | 0.83 | 0.83 | 0.8 | 0.83 | 0.83 | 0.83 | 0.87 |
| vehicle | 0.91 | 0.93 | 0.93 | 0.88 | 0.88 | 0.88 | 0.91 |
| ionosphere | 0.84 | 0.77 | 0.73 | 0.84 | 0.83 | 0.84 | 0.79 |
| vertebal | 0.65 | 0.75 | 0.88 | 0.74 | 0.88 | 0.76 | 0.88 |
| yeastME3 | 0.76 | 0.78 | 0.78 | 0.72 | 0.73 | 0.77 | 0.76 |
| ecoli | 0.4 | 0.54 | 0.57 | 0.49 | 0.77 | 0.83 | 0.94 |
| bupa | 0.61 | 0.45 | 0.54 | 0.46 | 0.57 | 0.46 | 0.51 |
| horse_colic | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 |
| german | 0.39 | 0.46 | 0.47 | 0.38 | 0.55 | 0.61 | 0.62 |
| breast_cancer | 0.27 | 0.29 | 0.35 | 0.28 | 0.41 | 0.32 | 0.45 |
| cmc | 0.38 | 0.41 | 0.4 | 0.29 | 0.44 | 0.49 | 0.6 |
| hepatitis | 0.34 | 0.36 | 0.63 | 0.34 | 0.72 | 0.33 | 0.78 |
| haberman | 0.4 | 0.32 | 0.28 | 0.38 | 0.26 | 0.41 | 0.35 |
| transfusion | 0.35 | 0.28 | 0.31 | 0.27 | 0.25 | 0.27 | 0.26 |
| car | 0.0 | 1.0 | 0.72 | 0.62 | 0.83 | 0.75 | 1.0 |
| glass | 0.18 | 0.24 | 0.35 | 0.12 | 0.53 | 0.24 | 0.76 |
| abalone16_29 | 0.11 | 0.18 | 0.18 | 0.15 | 0.19 | 0.58 | 0.58 |
| solar_flare | 0.02 | 0.02 | 0.09 | 0.28 | 0.7 | 0.93 | 0.93 |
| heart_cleveland | 0.06 | 0.06 | 0.51 | 0.2 | 0.17 | 0.66 | 0.66 |
| balance_scale | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| postoperative | 0.0 | 0.0 | 0.08 | 0.08 | 0.08 | 0.12 | 0.08 |

F-1 klasa mniejszosciowa

| | TREE | CLFE | CLFE CV | CLFE F1 | CLFE F1 CV | CLFE G | CLFE G CV |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| seeds | 0.84 | 0.88 | 0.88 | 0.83 | 0.87 | 0.84 | 0.89 |
| new_thyroid | 0.85 | 0.85 | 0.87 | 0.85 | 0.86 | 0.85 | 0.87 |
| vehicle | 0.8 | 0.81 | 0.81 | 0.86 | 0.86 | 0.86 | 0.8 |
| ionosphere | 0.84 | 0.85 | 0.83 | 0.84 | 0.85 | 0.84 | 0.83 |
| vertebal | 0.61 | 0.7 | 0.72 | 0.72 | 0.72 | 0.73 | 0.72 |
| yeastME3 | 0.76 | 0.75 | 0.75 | 0.75 | 0.74 | 0.76 | 0.76 |
| ecoli | 0.48 | 0.52 | 0.54 | 0.51 | 0.73 | 0.54 | 0.46 |
| bupa | 0.6 | 0.51 | 0.55 | 0.51 | 0.58 | 0.51 | 0.53 |
| horse_colic | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 |
| german | 0.46 | 0.53 | 0.53 | 0.44 | 0.56 | 0.57 | 0.58 |
| breast_cancer | 0.37 | 0.38 | 0.44 | 0.37 | 0.48 | 0.37 | 0.49 |
| cmc | 0.44 | 0.44 | 0.43 | 0.35 | 0.44 | 0.42 | 0.46 |
| hepatitis | 0.37 | 0.41 | 0.5 | 0.38 | 0.52 | 0.36 | 0.49 |
| haberman | 0.44 | 0.4 | 0.34 | 0.45 | 0.32 | 0.47 | 0.39 |
| transfusion | 0.43 | 0.31 | 0.39 | 0.28 | 0.29 | 0.28 | 0.27 |
| car | 0.0 | 0.39 | 0.41 | 0.61 | 0.48 | 0.59 | 0.39 |
| glass | 0.2 | 0.23 | 0.16 | 0.14 | 0.31 | 0.12 | 0.18 |
| abalone16_29 | 0.18 | 0.27 | 0.26 | 0.22 | 0.22 | 0.18 | 0.18 |
| solar_flare | 0.04 | 0.03 | 0.08 | 0.22 | 0.26 | 0.19 | 0.19 |
| heart_cleveland | 0.08 | 0.08 | 0.35 | 0.18 | 0.18 | 0.43 | 0.43 |
| balance_scale | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| postoperative | 0.0 | 0.0 | 0.13 | 0.14 | 0.14 | 0.2 | 0.13 |

G-mean

| | TREE | CLFE | CLFE CV | CLFE F1 | CLFE F1 CV | CLFE G | CLFE G CV |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| seeds | 0.88 | 0.92 | 0.91 | 0.88 | 0.91 | 0.88 | 0.92 |
| new_thyroid | 0.9 | 0.9 | 0.89 | 0.9 | 0.91 | 0.9 | 0.92 |
| vehicle | 0.9 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.9 |
| ionosphere | 0.88 | 0.87 | 0.84 | 0.88 | 0.88 | 0.88 | 0.86 |
| vertebal | 0.71 | 0.78 | 0.8 | 0.79 | 0.8 | 0.8 | 0.8 |
| yeastME3 | 0.86 | 0.87 | 0.87 | 0.84 | 0.84 | 0.86 | 0.86 |
| ecoli | 0.62 | 0.71 | 0.73 | 0.68 | 0.86 | 0.84 | 0.84 |
| bupa | 0.66 | 0.59 | 0.62 | 0.59 | 0.64 | 0.59 | 0.6 |
| horse_colic | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 |
| german | 0.59 | 0.64 | 0.64 | 0.57 | 0.67 | 0.69 | 0.69 |
| breast_cancer | 0.5 | 0.51 | 0.56 | 0.5 | 0.6 | 0.51 | 0.61 |
| cmc | 0.58 | 0.59 | 0.59 | 0.51 | 0.61 | 0.6 | 0.65 |
| hepatitis | 0.54 | 0.57 | 0.7 | 0.55 | 0.72 | 0.53 | 0.7 |
| haberman | 0.58 | 0.54 | 0.49 | 0.58 | 0.48 | 0.6 | 0.54 |
| transfusion | 0.56 | 0.48 | 0.53 | 0.46 | 0.46 | 0.46 | 0.46 |
| car | 0.0 | 0.94 | 0.82 | 0.78 | 0.88 | 0.85 | 0.94 |
| glass | 0.41 | 0.47 | 0.51 | 0.33 | 0.66 | 0.43 | 0.57 |
| abalone16_29 | 0.33 | 0.42 | 0.42 | 0.38 | 0.43 | 0.63 | 0.63 |
| solar_flare | 0.15 | 0.15 | 0.3 | 0.51 | 0.77 | 0.78 | 0.78 |
| heart_cleveland | 0.23 | 0.23 | 0.65 | 0.42 | 0.39 | 0.73 | 0.73 |
| balance_scale | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| postoperative | 0.0 | 0.0 | 0.28 | 0.28 | 0.28 | 0.35 | 0.28 |