

| | Permutation RF | Permutation CART | Permutation KNN | Decision Tree | Random Forest | XGBoost | Permutation XGBoost |
|----------|-------------------|---------------------|--------------------|------------------|------------------|---------|------------------------|
| age | 0.019 | 0.087 | 0.022 | 0.081 | 0.086 | 0.039 | 0.059 |
| sex | 0.012 | 0.025 | 0 | 0.035 | 0.029 | 0.056 | 0.035 |
| cp | 0.061 | 0.184 | 0 | 0.273 | 0.132 | 0.249 | 0.099 |
| trestbps | 0 | 0.043 | 0.051 | 0.06 | 0.068 | 0.03 | 0.006 |
| chol | 0.005 | 0.077 | 0.091 | 0.069 | 0.08 | 0.031 | 0.027 |
| fbs | -0.003 | 0 | 0 | 0 | 0.01 | 0.005 | -0.003 |
| restecg | -0.003 | 0 | 0 | 0 | 0.018 | 0.025 | 0.018 |
| thalach | 0.017 | 0.066 | 0.162 | 0.069 | 0.125 | 0.036 | 0.034 |
| exang | 0.009 | 0.027 | 0 | 0.016 | 0.042 | 0.069 | 0.019 |
| oldpeak | 0.024 | 0.107 | 0.002 | 0.087 | 0.123 | 0.062 | 0.049 |
| slope | 0.004 | 0.023 | 0 | 0.034 | 0.051 | 0.063 | 0.006 |
| ca | 0.068 | 0.074 | 0.001 | 0.123 | 0.123 | 0.131 | 0.099 |
| thal | 0.033 | 0.123 | 0 | 0.154 | 0.113 | 0.203 | 0.06 |

Table 5. Importance of features of the dataset with ML models.