For FC

AUC

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|  | **cbo** | **rfc** | **lcc** | **publicMethodsQty** | **privateMethodsQty** | **abstractMethodsQty** | **comparisonsQty** | **parenthesizedExpsQty** |
| Decision Tree （CART） | 0.5547 | 0.5886 | 0.5134 | 0.5837 | 0.4581 | 0.5539 | 0.5133 | 0.5195 |
| Random Forest | 0.6334 | 0.6632 | 0.5202 | 0.6247 | 0.5308 | 0.6386 | 0.5772 | 0.5566 |
| LogisticRegression\_liblinear | 0.7227 | 0.7284 | 0.4808 | 0.6973 | 0.6099 | 0.6829 | 0.6985 | 0.6652 |
| Naïve\_bayes\_GaussianNB | 0.6873 | 0.7042 | 0.5787 | 0.6821 | 0.5301 | 0.6594 | 0.6389 | 0.6049 |
| XGBoost | 0.6364 | 0.6371 | 0.5051 | 0.6417 | 0.5112 | 0.5951 | 0.5930 | 0.5162 |
| AdaBoost | 0.6724 | 0.6330 | 0.5734 | 0.6370 | 0.4783 | 0.6363 | 0.6359 | 0.5712 |
| KNN | 0.7166 | 0.7264 | 0.6128 | 0.7059 | 0.6155 | 0.6997 | 0.7071 | 0.6740 |

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|  | **maxNestedBlocksQty** | **publicFieldsQty** | **uniqueWordsQty** | **modifiers** | **loc** | **dit** | **lcom** | **fanin** |
| Decision Tree （CART） | 0.6511 | 0.4865 | 0.6319 | 0.5780 | 0.5157 | 0.5305 | 0.6600 | 0.4807 |
| Random Forest | 0.6897 | 0.5291 | 0.6892 | 0.6432 | 0.5675 | 0.5655 | 0.6701 | 0.5232 |
| LogisticRegression\_liblinear | 0.7341 | 0.6173 | 0.7276 | 0.6985 | 0.7152 | 0.5135 | 0.5327 | 0.4191 |
| Naïve\_bayes\_GaussianNB | 0.6571 | 0.6152 | 0.7069 | 0.6028 | 0.7000 | 0.5547 | 0.3989 | 0.5517 |
| XGBoost | 0.6895 | 0.5648 | 0.6733 | 0.6669 | 0.6041 | 0.5313 | 0.6997 | 0.4930 |
| AdaBoost | 0.6866 | 0.5112 | 0.6726 | 0.6242 | 0.5851 | 0.5111 | 0.6129 | 0.5266 |
| KNN | 0.7339 | 0.6121 | 0.7482 | 0.7312 | 0.7251 | 0.5798 | 0.6543 | 0.6031 |