|  |  |  |  |
| --- | --- | --- | --- |
| AUC W/O GA | CM1 | KC1 | KC3 |
| LR | 0.592 | 0.649 | 0.517 |
| LDA | 0.733 | 0.681 | 0.567 |
| NB | 0.732 | 0.652 | 0.6 |
| K-NN | 0.5 | 0.612 | 0.5 |
| C4.5 | 0.674 | 0.622 | 0.617 |
| CART | 0.532 | 0.666 | 0.617 |

|  |  |  |  |
| --- | --- | --- | --- |
| AUC with GA&Bagging | CM1 | KC1 | KC3 |
| LR | **0.8** | **0.666** | **0.6** |
| LDA | **0.75** | **0.720** | **0.65** |
| NB | **0.75** | 0.634 | **0.683** |
| K-NN | **0.65** | **0.665** | **0.6** |
| C4.5 | **0.694** | **0.650** | **0.7** |
| CART | **0.7** | 0.650 | **0.75** |

|  |  |  |  |
| --- | --- | --- | --- |
| AUC with GA&Boosting | CM1 | KC1 | KC3 |
| LR | **0.75** | **0.672** | **0.6** |
| LDA | **0.8** | **0.715** | **0.65** |
| NB | **0.75** | 0.634 | **0.7** |
| K-NN | **0.65** | **0.678** | **0.6** |
| C4.5 | **0.7** | **0.672** | **0.7** |
| CART | **0.75** | **0.671** | **0.75** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CM1-DT | Regular | GA | GA+HT | IGA | PA | HC |
| Accuracy | 0.763 | 0.908 | 0.908 | 0.918 | 0.889 | 0.879 |
| F1 | 0.189 | 0.535 | 0.535 | 0.621 | 0.497 | 0.357 |
| Precision | 0.186 | 1.0 | 1.0 | 0.947 | 0.783 | 0.783 |
| Recall | 0.2 | 0.367 | 0.367 | 0.467 | 0.4 | 0.233 |
| Auc | 0.530 | 0.683 | 0.683 | 0.731 | 0.686 | 0.611 |
| Time | 0.005 | 36.43 | 45.23 | 88.3 | 6.90 | 1.84 |







