| | Feature | Model | Accuracy | Precision | Recall | F1 Score | K-Fold Score | Stratified Score |
|---|---|---|---|---|---|---|---|---|
| 0 | W100_O25 | Logistic Regression | 0.35 | 0.34 | 0.35 | 0.32 | 0.319708764 | 0.314450574 |
| 1 | W100_O25 | Decision Tree Classifier | 0.53 | 0.53 | 0.53 | 0.53 | 0.620816001 | 0.618992093 |
| 2 | W100_O25 | Random Forest Classifier | 0.65 | 0.65 | 0.65 | 0.64 | 0.734933161 | 0.736940759 |
| 3 | W100_O25 | Gaussian Naive Bayes | 0.22 | 0.24 | 0.22 | 0.18 | 0.20014846 | 0.200095355 |
| 4 | W100_O25 | Support Vector Classifier | 0.59 | 0.57 | 0.59 | 0.58 | 0.168097657 | 0.169947362 |
| 5 | W100_O25 | K-Nearest Neighbors | 0.52 | 0.54 | 0.52 | 0.5 | 0.358865856 | 0.3600549 |
| 6 | W100_O25 | AdaBoost Classifier | 0.35 | 0.4 | 0.35 | 0.29 | 0.331651024 | 0.331466335 |
| 7 | W100_O25 | Gradient Boost | 0.62 | 0.62 | 0.62 | 0.62 | 0.696198428 | 0.694876522 |
| 8 | W100_O25 | XGBoost Classifier | 0.63 | 0.63 | 0.63 | 0.62 | 0.67918212 | 0.67897064 |
| 9 | W100_O25 | Artificial Neural Network | 0.51 | 0.5 | 0.51 | 0.5 | 0.258831 | 0.251036 |
| 10 | W100_O50 | Logistic Regression | 0.36 | 0.35 | 0.36 | 0.33 | 0.183764755 | 0.184046832 |
| 11 | W100_O50 | Decision Tree Classifier | 0.57 | 0.57 | 0.57 | 0.57 | 0.663171259 | 0.660404202 |
| 12 | W100_O50 | Random Forest Classifier | 0.66 | 0.67 | 0.66 | 0.66 | 0.74269054 | 0.74332494 |
| 13 | W100_O50 | Gaussian Naive Bayes | 0.25 | 0.24 | 0.25 | 0.21 | 0.132990218 | 0.132303009 |
| 14 | W100_O50 | Support Vector Classifier | 0.62 | 0.61 | 0.62 | 0.61 | 0.181438515 | 0.180081577 |
| 15 | W100_O50 | K-Nearest Neighbors | 0.55 | 0.56 | 0.55 | 0.53 | 0.377310918 | 0.376676467 |
| 16 | W100_O50 | AdaBoost Classifier | 0.26 | 0.24 | 0.26 | 0.22 | 0.309282405 | 0.312789641 |
| 17 | W100_O50 | Gradient Boost | 0.63 | 0.62 | 0.63 | 0.62 | 0.671154927 | 0.670449923 |
| 18 | W100_O50 | XGBoost Classifier | 0.66 | 0.66 | 0.66 | 0.66 | 0.70102746 | 0.699053547 |
| 19 | W100_O50 | Artificial Neural Network | 0.53 | 0.52 | 0.53 | 0.52 | 0.275673 | 0.265328 |
| 20 | W200_O25 | Logistic Regression | 0.39 | 0.39 | 0.39 | 0.37 | 0.184396033 | 0.18444904 |
| 21 | W200_O25 | Decision Tree Classifier | 0.5 | 0.51 | 0.5 | 0.5 | 0.580060423 | 0.579477397 |
| 22 | W200_O25 | Random Forest Classifier | 0.62 | 0.62 | 0.62 | 0.61 | 0.69740817 | 0.696401123 |
| 23 | W200_O25 | Gaussian Naive Bayes | 0.24 | 0.27 | 0.24 | 0.21 | 0.239041713 | 0.236603593 |
| 24 | W200_O25 | Support Vector Classifier | 0.58 | 0.57 | 0.58 | 0.57 | 0.11575767 | 0.11755976 |
| 25 | W200_O25 | K-Nearest Neighbors | 0.49 | 0.51 | 0.49 | 0.47 | 0.336460483 | 0.340912703 |
| 26 | W200_O25 | AdaBoost Classifier | 0.23 | 0.23 | 0.23 | 0.21 | 0.25934171 | 0.25345842 |
| 27 | W200_O25 | Gradient Boost | 0.59 | 0.59 | 0.59 | 0.59 | 0.65813325 | 0.66242646 |
| 28 | W200_O25 | XGBoost Classifier | 0.63 | 0.62 | 0.63 | 0.62 | 0.69470504 | 0.6958711 |
| 29 | W200_O25 | Artificial Neural Network | 0.49 | 0.48 | 0.49 | 0.48 | 0.227964 | 0.234165 |
| 30 | W200_O50 | Logistic Regression | 0.39 | 0.39 | 0.39 | 0.37 | 0.176068237 | 0.17532352 |
| 31 | W200_O50 | Decision Tree Classifier | 0.54 | 0.54 | 0.54 | 0.54 | 0.633292013 | 0.63747562 |
| 32 | W200_O50 | Random Forest Classifier | 0.66 | 0.66 | 0.66 | 0.65 | 0.74398171 | 0.742669827 |
| 33 | W200_O50 | Gaussian Naive Bayes | 0.27 | 0.28 | 0.27 | 0.23 | 0.159014987 | 0.15841247 |
| 34 | W200_O50 | Support Vector Classifier | 0.61 | 0.61 | 0.61 | 0.61 | 0.125084377 | 0.12696325 |
| 35 | W200_O50 | K-Nearest Neighbors | 0.52 | 0.55 | 0.52 | 0.51 | 0.359262633 | 0.359581527 |
| 36 | W200_O50 | AdaBoost Classifier | 0.25 | 0.28 | 0.25 | 0.23 | 0.272008703 | 0.271405953 |
| 37 | W200_O50 | Gradient Boost | 0.63 | 0.63 | 0.63 | 0.62 | 0.68714805 | 0.685091593 |
| 38 | W200_O50 | XGBoost Classifier | 0.66 | 0.66 | 0.66 | 0.66 | 0.716114417 | 0.71852519 |
| 39 | W200_O50 | Artificial Neural Network | 0.52 | 0.51 | 0.52 | 0.51 | .0.252224 | 0.2477923 |
| 40 | W300_O25 | Logistic Regression | 0.41 | 0.41 | 0.41 | 0.39 | 0.198911823 | 0.20043226 |
| 41 | W300_O25 | Decision Tree Classifier | 0.48 | 0.47 | 0.48 | 0.47 | 0.582086203 | 0.567677697 |
| 42 | W300_O25 | Random Forest Classifier | 0.6 | 0.6 | 0.6 | 0.59 | 0.697110623 | 0.694788617 |
| 43 | W300_O25 | Gaussian Naive Bayes | 0.26 | 0.28 | 0.26 | 0.23 | 0.15440678 | 0.17713802 |
| 44 | W300_O25 | Support Vector Classifier | 0.57 | 0.57 | 0.57 | 0.57 | 0.099255377 | 0.105419073 |
| 45 | W300_O25 | K-Nearest Neighbors | 0.47 | 0.5 | 0.47 | 0.45 | 0.33890982 | 0.338268523 |
| 46 | W300_O25 | AdaBoost Classifier | 0.25 | 0.26 | 0.25 | 0.23 | 0.271271967 | 0.25814485 |
| 47 | W300_O25 | Gradient Boost | 0.59 | 0.58 | 0.59 | 0.58 | 0.660529417 | 0.6685341 |
| 48 | W300_O25 | XGBoost Classifier | 0.62 | 0.61 | 0.62 | 0.61 | 0.695669643 | 0.701752263 |
| 49 | W300_O25 | Artificial Neural Network | 0.46 | 0.44 | 0.46 | 0.44 | 0.113666 | 0.12975 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 50 | W300_O50 | Logistic Regression | 0.42 | 0.42 | 0.42 | 0.4 | 0.20304673 | 0.202618513 |
| 51 | W300_O50 | Decision Tree Classifier | 0.53 | 0.53 | 0.53 | 0.53 | 0.627899547 | 0.62934249 |
| 52 | W300_O50 | Random Forest Classifier | 0.65 | 0.65 | 0.65 | 0.64 | 0.746766207 | 0.746713087 |
| 53 | W300_O50 | Gaussian Naive Bayes | 0.25 | 0.29 | 0.25 | 0.23 | 0.246979903 | 0.24719395 |
| 54 | W300_O50 | Support Vector Classifier | 0.62 | 0.61 | 0.62 | 0.61 | 0.11175822 | 0.111918777 |
| 55 | W300_O50 | K-Nearest Neighbors | 0.51 | 0.54 | 0.51 | 0.49 | 0.366595087 | 0.369054247 |
| 56 | W300_O50 | AdaBoost Classifier | 0.19 | 0.21 | 0.19 | 0.17 | 0.25708202 | 0.267451333 |
| 57 | W300_O50 | Gradient Boost | 0.62 | 0.62 | 0.62 | 0.62 | 0.696312123 | 0.698503277 |
| 58 | W300_O50 | XGBoost Classifier | 0.66 | 0.66 | 0.66 | 0.66 | 0.72725814 | 0.730411323 |
| 59 | W300_O50 | Artificial Neural Network | 0.52 | 0.51 | 0.52 | 0.5 | 0.229342 | 0.243934 |
| 60 | W400_O25 | Logistic Regression | 0.43 | 0.43 | 0.43 | 0.42 | 0.217246563 | 0.21875 |
| 61 | W400_O25 | Decision Tree Classifier | 0.49 | 0.49 | 0.49 | 0.49 | 0.578286083 | 0.58107818 |
| 62 | W400_O25 | Random Forest Classifier | 0.6 | 0.6 | 0.6 | 0.59 | 0.696198457 | 0.691795533 |
| 63 | W400_O25 | Gaussian Naive Bayes | 0.28 | 0.31 | 0.28 | 0.25 | 0.249570443 | 0.249248283 |
| 64 | W400_O25 | Support Vector Classifier | 0.58 | 0.57 | 0.58 | 0.57 | 0.088380587 | 0.094716493 |
| 65 | W400_O25 | K-Nearest Neighbors | 0.44 | 0.49 | 0.44 | 0.41 | 0.346112543 | 0.346434707 |
| 66 | W400_O25 | AdaBoost Classifier | 0.23 | 0.24 | 0.23 | 0.21 | 0.24291237 | 0.251932993 |
| 67 | W400_O25 | Gradient Boost | 0.59 | 0.59 | 0.59 | 0.59 | 0.67042526 | 0.67482818 |
| 68 | W400_O25 | XGBoost Classifier | 0.62 | 0.61 | 0.62 | 0.61 | 0.701245703 | 0.70092354 |
| 69 | W400_O25 | Artificial Neural Network | 0.47 | 0.46 | 0.47 | 0.46 | 0.125744 | 0.126074 |
| 70 | W400_O50 | Logistic Regression | 0.43 | 0.44 | 0.43 | 0.42 | 0.21496767 | 0.2140352 |
| 71 | W400_O50 | Decision Tree Classifier | 0.51 | 0.52 | 0.51 | 0.51 | 0.628829673 | 0.62488273 |
| 72 | W400_O50 | Random Forest Classifier | 0.65 | 0.65 | 0.65 | 0.64 | 0.745640613 | 0.747936497 |
| 73 | W400_O50 | Gaussian Naive Bayes | 0.31 | 0.32 | 0.31 | 0.27 | 0.261318547 | 0.25550501 |
| 74 | W400_O50 | Support Vector Classifier | 0.62 | 0.62 | 0.62 | 0.62 | 0.100164853 | 0.103178537 |
| 75 | W400_O50 | K-Nearest Neighbors | 0.48 | 0.51 | 0.48 | 0.46 | 0.371169973 | 0.368730753 |
| 76 | W400_O50 | AdaBoost Classifier | 0.24 | 0.23 | 0.24 | 0.19 | 0.23886064 | 0.261318593 |
| 77 | W400_O50 | Gradient Boost | 0.64 | 0.64 | 0.64 | 0.64 | 0.70904759 | 0.704813723 |
| 78 | W400_O50 | XGBoost Classifier | 0.66 | 0.65 | 0.66 | 0.65 | 0.734591127 | 0.7310035 |
| 79 | W400_O50 | Artificial Neural Network | 0.51 | 0.51 | 0.51 | 0.5 | 0.231326 | 0.22824 |
| 80 | W500_O25 | Logistic Regression | 0.42 | 0.42 | 0.42 | 0.41 | 0.207801223 | 0.209684787 |
| 81 | W500_O25 | Decision Tree Classifier | 0.45 | 0.45 | 0.45 | 0.45 | 0.580770267 | 0.577672463 |
| 82 | W500_O25 | Random Forest Classifier | 0.57 | 0.58 | 0.57 | 0.56 | 0.69791549 | 0.694418427 |
| 83 | W500_O25 | Gaussian Naive Bayes | 0.29 | 0.32 | 0.29 | 0.26 | 0.20659138 | 0.202290143 |
| 84 | W500_O25 | Support Vector Classifier | 0.56 | 0.56 | 0.56 | 0.56 | 0.085811807 | 0.089307783 |
| 85 | W500_O25 | K-Nearest Neighbors | 0.42 | 0.46 | 0.42 | 0.4 | 0.35117858 | 0.352120197 |
| 86 | W500_O25 | AdaBoost Classifier | 0.24 | 0.2 | 0.24 | 0.18 | 0.244251227 | 0.22636078 |
| 87 | W500_O25 | Gradient Boost | 0.57 | 0.57 | 0.57 | 0.57 | 0.67760672 | 0.684600363 |
| 88 | W500_O25 | XGBoost Classifier | 0.6 | 0.6 | 0.6 | 0.6 | 0.71284575 | 0.7162071 |
| 89 | W500_O25 | Artificial Neural Network | 0.57 | 0.56 | 0.57 | 0.56 | 0.276799 | 0.294015 |
| 90 | W500_O50 | Logistic Regression | 0.45 | 0.45 | 0.45 | 0.44 | 0.227714581 | 0.227084438 |
| 91 | W500_O50 | Decision Tree Classifier | 0.51 | 0.51 | 0.51 | 0.51 | 0.62188777 | 0.623332087 |
| 92 | W500_O50 | Random Forest Classifier | 0.65 | 0.65 | 0.65 | 0.64 | 0.741880347 | 0.746842447 |
| 93 | W500_O50 | Gaussian Naive Bayes | 0.29 | 0.34 | 0.29 | 0.27 | 0.202903953 | 0.19541582 |
| 94 | W500_O50 | Support Vector Classifier | 0.63 | 0.62 | 0.63 | 0.62 | 0.093287927 | 0.095904193 |
| 95 | W500_O50 | K-Nearest Neighbors | 0.48 | 0.51 | 0.48 | 0.46 | 0.373423067 | 0.378202543 |
| 96 | W500_O50 | AdaBoost Classifier | 0.21 | 0.21 | 0.21 | 0.19 | 0.271021043 | 0.249549783 |
| 97 | W500_O50 | Gradient Boost | 0.63 | 0.63 | 0.63 | 0.63 | 0.71697996 | 0.714452804 |
| 98 | W500_O50 | XGBoost Classifier | 0.68 | 0.67 | 0.68 | 0.67 | 0.772736683 | 0.771924409 |
| 99 | W500_O50 | Artificial Neural Network | 0.52 | 0.51 | 0.52 | 0.51 | 0.226723 | 0.241068 |