|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model | Performance | Error curve | ROC Curve | Bar chart | Contingency values |
| dt\_kfold | [['TP' '123226.0']  ['FP' '13125.0']  ['TN' '184594.0']  ['FN' '10730.0']  ['sensitivity' '0.9198990713368569']  ['specificity' '0.9336179122896636']  ['accuracy' '0.928077183990352']  ['f1' '0.9117484933797497']  ['AUC' '0.9267584918132602']] |  |  |  | thresholds|TP |FP |TN |FN  0.0 |1979 |0 |197719|131977  0.25 |114193|6070 |191649|19763  0.5 |124326|12175 |185544|9630  0.75 |129994|21897 |175822|3962  1.0 |133956|197719|0 |0 |
| dt\_threefold | array([['TP', '24607.0'],  ['FP', '2747.0'],  ['TN', '36901.0'],  ['FN', '2080.0'],  ['sensitivity', '0.9220594296848653'],  ['specificity', '0.9307152945924132'],  ['accuracy', '0.927232984095877'],  ['f1', '0.9106789289613442'],  ['AUC', '0.9263873621386394']],  dtype='<U32') |  |  |  | thresholds|TP |FP |TN |FN  0.0 |725 |62 |39586 |25962  0.25 |22595 |1354 |38294 |4092  0.5 |24630 |2772 |36876 |2057  0.75 |25635 |4371 |35277 |1052  1.0 |26687 |39648 |0 |0 |
| dt\_loo | [['TP' '331.0']  ['FP' '172.0']  ['TN' '1799.0']  ['FN' '1015.0']  ['sensitivity' '0.24591381872213966']  ['specificity' '0.9127346524606799']  ['accuracy' '0.6421465179378957']  ['f1' '0.358031368307193']  ['AUC' '0.5793242355914098']] |  |  |  | thresholds|TP |FP |TN |FN  0.0 |17 |0 |1971 |1329  0.25 |56 |8 |1963 |1290  0.5 |340 |169 |1802 |1006  0.75 |1250 |1472 |499 |96  1.0 |1346 |1971 |0 |0 |
| rfdt\_threefold | [['TP' '24620.0']  ['FP' '2890.0']  ['TN' '36758.0']  ['FN' '2067.0']  ['sensitivity' '0.9225465582493348']  ['specificity' '0.9271085552865214']  ['accuracy' '0.9252732343408457']  ['f1' '0.9085373729173202']  ['AUC' '0.9248275567679282']] |  |  |  | thresholds|TP |FP |TN |FN  0.0 |207 |3 |39645 |26480  0.25 |21533 |1196 |38452 |5154  0.5 |24635 |2898 |36750 |2052  0.75 |25903 |5481 |34167 |784  1.0 |26687 |39648 |0 |0 |
| rfdt\_kfold | [['TP' '123052.0']  ['FP' '13611.0']  ['TN' '184108.0']  ['FN' '10904.0']  ['sensitivity' '0.9186001373585356']  ['specificity' '0.9311598784133037']  ['accuracy' '0.9260872842390895']  ['f1' '0.9094113864880145']  ['AUC' '0.9248800078859197']] |  |  |  | thresholds|TP |FP |TN |FN  0.0 |1620 |0 |197719|132336  0.25 |117839|1322 |196397|16117  0.5 |129406|6828 |190891|4550  0.75 |133177|18852 |178867|779  1.0 |133956|197719|0 |0 |
| Rfdt\_loo | [['TP' '167.0']  ['FP' '93.0']  ['TN' '898.0']  ['FN' '501.0']  ['sensitivity' '0.25']  ['specificity' '0.9061553985872856']  ['accuracy' '0.6419529837251357']  ['f1' '0.3599137931034483']  ['AUC' '0.5780776992936427']] |  |  |  | thresholds|TP |FP |TN |FN  0.0 |0 |0 |991 |668  0.25 |7 |0 |991 |661  0.5 |207 |84 |907 |461  0.75 |619 |730 |261 |49  1.0 |668 |991 |0 |0 |