|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVERAGE ZERO ONE LOSS** | | | | |
| ***TSS*** | ***0.025*** | ***0.05*** | ***0.125*** | ***0.25*** |
| DT | 0.32399999999999995 | 0.31950000000000001 | 0.23499999999999996 | 0.215 |
| BAG | 0.3165 | 0.24699999999999997 | 0.19650000000000004 | 0.20200000000000001 |
| RF | 0.29749999999999999 | 0.24749999999999997 | 0.1565 | 0.17250000000000001 |
| BST |  |  |  |  |
| SVM | 0.29450000000000004 | 0.16500000000000001 | 0.095499999999999974 | 0.073499999999999982 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVERAGE STD DEVIATION OF ZERO ONE LOSS** | | | | |
| ***TSS*** | ***0.025*** | ***0.05*** | ***0.125*** | ***0.25*** |
| DT | 0.061024585209569417 | 0.047352402262187288 | 0.051575187832910506 | 0.044328320518602977 |
| BAG | 0.052737557774322465 | 0.058191494223812465 | 0.044668221365977846 | 0.023048861143232197 |
| RF | 0.075001666648148585 | 0.061163714733492101 | 0.048685213360937424 | 0.055281099844341021 |
| BST |  |  |  |  |
| SVM | 0.088245396480496369 | 0.033090784215548584 | 0.015074813431681348 | 0.018580904176062021 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVG STD ERROR OF ZERO ONE LOSS** | | | | |
| ***TSS*** | ***0.025*** | ***0.05*** | ***0.125*** | ***0.25*** |
| DT | 0.019297668252926305 | 0.014974144382902147 | 0.016309506430300089 | 0.014017845768876177 |
| BAG | 0.016677080080157915 | 0.018401766219577943 | 0.014125331854508762 | 0.0072886898685566182 |
| RF | 0.023717609491683608 | 0.019341664871463361 | 0.01539561625918235 | 0.017481418706729729 |
| BST |  |  |  |  |
| SVM | 0.027905644590297499 | 0.010464224768228171 | 0.0047670745746212148 | 0.0058757978181690276 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVERAGE ZERO ONE LOSS** | | | | |
| ***WORDS*** | ***200*** | ***500*** | ***1000*** | ***1500*** |
| DT | 0.23849999999999999 | 0.22800000000000004 | 0.24100000000000002 | 0.20300000000000001 |
| BAG | 0.17650000000000005 | 0.15150000000000002 | 0.15100000000000002 | 0.16100000000000003 |
| RF | 0.17450000000000002 | 0.15450000000000003 | 0.13450000000000001 | 0.12599999999999997 |
| BST |  |  |  |  |
| SVM | 0.156 | 0.087499999999999981 | 0.078999999999999987 | 0.072999999999999982 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVERAGE STD DEVIATION OF ZERO ONE LOSS** | | | | |
| ***WORDS*** | ***200*** | ***500*** | ***1000*** | ***1500*** |
| DT | 0.023774986855937503 | 0.056665686266028754 | 0.063118935352238004 | 0.030999999999999986 |
| BAG | 0.022699118925632311 | 0.024397745797511708 | 0.028178005607210749 | 0.027459060435491969 |
| RF | 0.033648922716782464 | 0.034383862493908394 | 0.042629215334087492 | 0.037536648758246929 |
| BST |  |  |  |  |
| SVM | 0.026153393661244043 | 0.016163229875244611 | 0.016703293088490043 | 0.013999999999999978 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVG STD ERROR OF ZERO ONE LOSS** | | | | |
| ***WORDS*** | ***200*** | ***500*** | ***1000*** | ***1500*** |
| DT | 0.0075183109805328019 | 0.017919263377717286 | 0.019959959919799437 | 0.0098030607465219716 |
| BAG | 0.0071780916684032314 | 0.007715244649393823 | 0.0089106677639781869 | 0.0086833173384369654 |
| RF | 0.010640723659601347 | 0.010873132023478792 | 0.013480541532149217 | 0.01187013058057914 |
| BST |  |  |  |  |
| SVM | 0.0082704292512541331 | 0.0051112620750652172 | 0.0052820450584976954 | 0.0044271887242357238 |

ANALYSIS 3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVERAGE ZERO ONE LOSS** | | | | |
| ***Depth*** | **5** | **10** | **15** | **20** |
| DT | 0.26949999999999996 | 0.22500000000000001 | 0.19400000000000001 | 0.20950000000000002 |
| BAG | 0. 159 | 0.17800000000000002 | 0.17549999999999999 | 0.16650000000000001 |
| RF | 0. 2495 | 0. 1565 | 0.12050000000000001 | 0.098499999999999976 |
| BST |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVERAGE STD DEVIATION OF ZERO ONE LOSS** | | | | |
| ***Depth*** | ***5*** | ***10*** | ***15*** | ***20*** |
| DT | 0.053265842713694111 | 0.038535697735995383 | 0.0379341534767813 | 0.029107559155655757 |
| BAG | 0.035693136595149486 | 0.029512709126747402 | 0.046230401252855248 | 0.044443784717325775 |
| RF | 0.10778334750785948 | 0.054362211139724628 | 0.034456494308040111 | 0.020982135258357307 |
| BST |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVG STD ERROR OF ZERO ONE LOSS** | | | | |
| ***Depth*** | ***5*** | ***10*** | ***15*** | ***20*** |
| DT | 0.016844138446355753 | 0.012186057606953939 | 0.011995832609702415 | 0. 092046184059959776 |
| BAG | 0.011287160847617966 | 0.0093327380762560745 | 0.014619336510252439 | 0. 014054358754493212 |
| RF | 0.034084087196226916 | 0. 017190840584450778 | 0.010896100219803416 | 0. 066351337590134594 |
| BST |  |  |  |  |

ANALYSIS 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVERAGE ZERO ONE LOSS** | | | | |
| ***Trees*** | ***10*** | ***25*** | ***50*** | ***100*** |
| DT |  |  |  |  |
| BAG | 0.18050000000000002 | 0.16600000000000001 | 0.17050000000000001 | 0.15850000000000003 |
| RF | 0.22999999999999998 | 0. 1875 | 0.15299999999999997 | 0. 15349999999999997 |
| BST |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVG STD DEVIATION OF ZERO ONE LOSS** | | | | |
| ***Trees*** | ***10*** | ***25*** | ***50*** | ***100*** |
| DT |  |  |  |  |
| BAG | 0.038457769046058819 |  |  |  |
| RF | 0.043023249528597915 |  |  |  |
| BST |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AVG STD ERROR OF ZERO ONE LOSS** | | | | |
| ***Trees*** | ***10*** | ***25*** | ***50*** | ***100*** |
| DT |  |  |  |  |
| BAG | 0.01216141439142668 |  |  |  |
| RF | 0.013605146085213493 |  |  |  |
| BST |  |  |  |  |