

| data set | Data set properties | | | | | Results from learning | | | | | | | | |
|----------|---------------------|-------|----------|-------|-------------|-----------------------|----|-------|-------|----|-------|--------|-----|---|
| | training | | testing | | | untuned | | | tuned | | | change | | |
| | versions | cases | versions | cases | % defective | pd | pf | good? | pd | pf | good? | pd | pf | |
| jedit | 3.2, 4.0, 4.1, 4.2 | 1257 | 4.3 | 492 | 2 | 55 | 29 | | 64 | 29 | y | 9 | 0 | * |
| ivy | 1.1, 1.4 | 352 | 2.0 | 352 | 11 | 65 | 35 | y | 65 | 28 | y | 0 | -7 | * |
| camel | 1.0, 1.2, 1.4 | 1819 | 1.6 | 965 | 19 | 49 | 31 | | 56 | 37 | | 5 | 6 | |
| ant | 1.3, 1.4, 1.5, 1.6 | 947 | 1.7 | 745 | 22 | 49 | 13 | y | 63 | 16 | y | 14 | 3 | * |
| synapse | 1.0, 1.1 | 379 | 1.2 | 256 | 34 | 45 | 19 | | 47 | 15 | | 2 | -4 | |
| velocity | 1.4, 1.5 | 410 | 1.6 | 229 | 34 | 78 | 60 | | 76 | 60 | | -2 | 0 | |
| lucene | 2.0, 2.2 | 442 | 2.4 | 340 | 59 | 56 | 25 | | 60 | 25 | y | 4 | 0 | |
| poi | 1.5, 2, 2.5 | 936 | 3.0 | 442 | 64 | 56 | 31 | | 60 | 10 | y | 4 | -21 | * |
| xerces | 1.0, 1.2, 1.3 | 1055 | 1.4 | 588 | 74 | 30 | 31 | | 40 | 29 | | 10 | -2 | × |
| log4j | 1.0, 1.1 | 244 | 1.2 | 205 | 92 | 32 | 6 | | 30 | 6 | | -2 | 0 | × |
| xalan | 2.4, 2.5, 2.6 | 2411 | 2.7 | 909 | 99 | 38 | 9 | | 47 | 9 | | 9 | 0 | × |