

| Records | Time_No_Tests | Time_With_Tests |
|---------|---------------|-----------------|
| 100 | 0.00051337 | 0.00048429 |
| 1000 | 0.00471108 | 0.00501329 |
| 2000 | 0.00979667 | 0.00989813 |
| 3000 | 0.01386692 | 0.01501904 |
| 4000 | 0.01898521 | 0.01968517 |
| 5000 | 0.02328471 | 0.02526112 |
| 6000 | 0.02824337 | 0.02871671 |
| 7000 | 0.03249317 | 0.03530433 |
| 8000 | 0.04871887 | 0.040499 |
| 9000 | 0.04202383 | 0.04321779 |
| 10000 | 0.04651425 | 0.04816779 |

The graph illustrates the performance difference between two testing scenarios over 11 iterations. The blue line, representing 'Time without tests', shows a steady increase until iteration 8, followed by a sharp spike at iteration 9, a dip at iteration 10, and a final rise at iteration 11. The orange line, representing 'Time with tests', shows a more consistent linear growth throughout all iterations, eventually surpassing the blue line at iteration 11.

| Iteration | Time without tests (Blue) | Time with tests (Orange) |
|-----------|---------------------------|--------------------------|
| 1 | ~0.0005 | ~0.0005 |
| 2 | ~0.0047 | ~0.0047 |
| 3 | ~0.0098 | ~0.0099 |
| 4 | ~0.0190 | ~0.0150 |
| 5 | ~0.0197 | ~0.0197 |
| 6 | ~0.0253 | ~0.0253 |
| 7 | ~0.0287 | ~0.0287 |
| 8 | ~0.0325 | ~0.0325 |
| 9 | ~0.0487 | ~0.0405 |
| 10 | ~0.0420 | ~0.0432 |
| 11 | ~0.0465 | ~0.0482 |