```
/usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation.py
ecoli1
increment evaluation
                error  f1-score  precision    recall
incremental  0.434524  0.416836   0.301037  0.677922
batch        0.494643  0.404127   0.279092  0.732468

*** PROFILER RESULTS ***
increment (/Users/LT/Documents/Uni/MA/increOCSVM/ocsvm.py:109)
function called 445 times

         314343 function calls in 6.432 seconds

   Ordered by: cumulative time, internal time, call count
   List reduced from 76 to 40 due to restriction <40>

   ncalls  tottime  percall  cumtime  percall filename:lineno(function)
      445    5.256    0.012    6.432    0.014 ocsvm.py:109(increment)
     1800    0.008    0.000    0.545    0.000 ocsvm.py:74(gram)
     1800    0.010    0.000    0.537    0.000 pairwise.py:1164(pairwise_kernels)
     1800    0.004    0.000    0.527    0.000 pairwise.py:949(_parallel_pairwise)
     1800    0.026    0.000    0.523    0.000 pairwise.py:740(rbf_kernel)
     3600    0.014    0.000    0.352    0.000 pairwise.py:57(check_pairwise_arrays)
     4480    0.042    0.000    0.307    0.000 validation.py:268(check_array)
     1800    0.087    0.000    0.281    0.000 pairwise.py:136(euclidean_distances)
    11617    0.161    0.000    0.161    0.000 {method 'reduce' of 'numpy.ufunc' objects}
    20944    0.148    0.000    0.148    0.000 {numpy.core.multiarray.array}
     4480    0.041    0.000    0.124    0.000 validation.py:43(_assert_all_finite)
     4814    0.009    0.000    0.118    0.000 numeric.py:392(asarray)
     9590    0.021    0.000    0.089    0.000 numeric.py:136(ones)
     4447    0.009    0.000    0.084    0.000 {method 'min' of 'numpy.ndarray' objects}
     1654    0.081    0.000    0.081    0.000 {method 'remove' of 'list' objects}
     4480    0.006    0.000    0.076    0.000 {method 'sum' of 'numpy.ndarray' objects}
     4447    0.012    0.000    0.075    0.000 _methods.py:19(_amin)
     4480    0.008    0.000    0.070    0.000 _methods.py:23(_sum)
     4480    0.017    0.000    0.069    0.000 validation.py:126(_shape_repr)
     4480    0.022    0.000    0.051    0.000 {method 'join' of 'str' objects}
     1800    0.006    0.000    0.049    0.000 fromnumeric.py:1762(any)
     5131    0.048    0.000    0.048    0.000 {method 'dot' of 'numpy.ndarray' objects}
    11650    0.014    0.000    0.048    0.000 numeric.py:462(asanyarray)
     9590    0.042    0.000    0.042    0.000 {numpy.core.multiarray.copyto}
      445    0.017    0.000    0.037    0.000 linalg.py:454(inv)
     6941    0.037    0.000    0.037    0.000 {numpy.core.multiarray.zeros}
     4480    0.020    0.000    0.037    0.000 shape_base.py:60(atleast_2d)
     2240    0.005    0.000    0.036    0.000 extmath.py:57(row_norms)
     3600    0.019    0.000    0.031    0.000 pairwise.py:33(_return_float_dtype)
    13440    0.028    0.000    0.028    0.000 validation.py:153(<genexpr>)
     2240    0.028    0.000    0.028    0.000 {numpy.core.multiarray.einsum}
     1800    0.003    0.000    0.027    0.000 {method 'any' of 'numpy.ndarray' objects}
     9590    0.026    0.000    0.026    0.000 {numpy.core.multiarray.empty}
      445    0.003    0.000    0.025    0.000 fromnumeric.py:1842(all)
     4480    0.012    0.000    0.025    0.000 validation.py:105(_num_samples)
      445    0.002    0.000    0.025    0.000 fromnumeric.py:2632(mean)
     1800    0.003    0.000    0.024    0.000 _methods.py:31(_any)
      445    0.009    0.000    0.023    0.000 _methods.py:49(_mean)
     1800    0.004    0.000    0.023    0.000 extmath.py:171(safe_sparse_dot)
    17520    0.011    0.000    0.022    0.000 base.py:702(isspmatrix)
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*** PROFILER RESULTS ***
train (/Users/LT/Documents/Uni/MA/increOCSVM/ocsvm.py:35)
function called 10 times

         27979 function calls in 0.682 seconds

   Ordered by: cumulative time, internal time, call count
   List reduced from 117 to 40 due to restriction <40>

   ncalls  tottime  percall  cumtime  percall filename:lineno(function)
       10    0.003    0.000    0.682    0.068 ocsvm.py:35(train)
       10    0.025    0.002    0.672    0.067 ocsvm.py:78(alpha)
       10    0.001    0.000    0.620    0.062 coneprog.py:4159(qp)
       10    0.025    0.002    0.620    0.062 coneprog.py:1441(coneqp)
      146    0.001    0.000    0.446    0.003 coneprog.py:1984(kktsolver)
      146    0.035    0.000    0.446    0.003 misc.py:1389(factor)
      146    0.188    0.001    0.188    0.001 {cvxopt.base.syrk}
      146    0.125    0.001    0.125    0.001 {cvxopt.base.gemm}
      292    0.087    0.000    0.087    0.000 {cvxopt.lapack.potrf}
     1712    0.076    0.000    0.076    0.000 {cvxopt.base.gemv}
      272    0.001    0.000    0.071    0.000 coneprog.py:2333(f4)
      272    0.002    0.000    0.069    0.000 coneprog.py:2291(f4_no_ir)
      282    0.005    0.000    0.066    0.000 misc.py:1489(solve)
      292    0.001    0.000    0.032    0.000 coneprog.py:1900(fG)
      292    0.003    0.000    0.031    0.000 misc.py:801(sgemv)
       20    0.000    0.000    0.018    0.001 ocsvm.py:74(gram)
       20    0.000    0.000    0.018    0.001 pairwise.py:1164(pairwise_kernels)
       20    0.000    0.000    0.018    0.001 pairwise.py:949(_parallel_pairwise)
       20    0.006    0.000    0.018    0.001 pairwise.py:740(rbf_kernel)
      136    0.010    0.000    0.013    0.000 misc.py:422(update_scaling)
      564    0.011    0.000    0.011    0.000 {cvxopt.blas.trsv}
       20    0.003    0.000    0.009    0.000 pairwise.py:136(euclidean_distances)
       20    0.000    0.000    0.008    0.000 shape_base.py:179(vstack)
      146    0.007    0.000    0.007    0.000 {cvxopt.blas.trsm}
      146    0.001    0.000    0.007    0.000 coneprog.py:1847(fP)
       10    0.000    0.000    0.007    0.001 ocsvm.py:46(rho)
      146    0.007    0.000    0.007    0.000 {cvxopt.base.symv}
       20    0.005    0.000    0.005    0.000 {numpy.core.multiarray.concatenate}
       40    0.000    0.000    0.004    0.000 pairwise.py:57(check_pairwise_arrays)
     2498    0.004    0.000    0.004    0.000 {cvxopt.blas.axpy}
       60    0.000    0.000    0.004    0.000 validation.py:268(check_array)
       20    0.003    0.000    0.004    0.000 twodim_base.py:221(diag)
       20    0.000    0.000    0.004    0.000 extmath.py:171(safe_sparse_dot)
       20    0.003    0.000    0.003    0.000 {numpy.core._dotblas.dot}
      280    0.002    0.000    0.003    0.000 {numpy.core.multiarray.array}
     1012    0.003    0.000    0.003    0.000 {range}
      100    0.001    0.000    0.003    0.000 shape_base.py:60(atleast_2d)
      190    0.000    0.000    0.003    0.000 numeric.py:462(asanyarray)
      816    0.003    0.000    0.003    0.000 {cvxopt.misc_solvers.scale2}
      826    0.003    0.000    0.003    0.000 {cvxopt.misc_solvers.scale}



Process finished with exit code 0
```