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Barı Yüksel
1449826

CENG 492 WEEKLY REPORT

This week we have finished the implementation of the parallel versions of sort() methods under weka.core.Utils. We also tested these parallelizations, and for an array with 10^6 elements, we provided an improvement; with 8 processes the sequential version took about 370msec whereas the parallel version took about 260msec; and for an array with $2 \cdot 10^6$ elements, the sequential version took about 820 msec, and the parallel version took about 410msec. We also tested parallel SimpleKMeans with another dataset; with 10000 instances and 4000 attributes, we pulled up the resulting time from 450sec to 260sec.