Portfollio 9 - RcppParallel

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In this portofolio we will discuss how the R-to-C++ gains obtained in regular Rcpp can be improved upon further by parallelisation with RcppParallel. In particular, we'll look into parallelFor and parallelReduce, using examples based on [2] and [1] respectively.

parallelFor

With RcppParallel, the parallelFor loop works by ***********

Jensen-Shannon Distance

parallelReduce

Inner Product

References

- [1] JJ Allaire. Computing an Inner Product with RcppParallel, July 2014.
- [2] JJ Allaire and Jim Bullard. Parallel Distance Matrix Calculation with RcppParallel, July 2014.