

Practical Computing for Spatial Data Models

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September 19, 2019

Course objectives

In this short amount of time, I hope to provide:

1. simple changes to your current computing environment that yield big computation gains
2. thoughts on selecting computing environments and software to alleviate common bottlenecks
3. an applied glimpse under the hood at some lower-level code (C/C++ and FORTRAN) that can improve your higher-level code (e.g., R)
4. introduction to some lower- and higher-level coding tools and tips for parallelization

Topics are generally motivated using geostatistical models applied to settings where we have a lot of data.