

Title: Semi-parametric small-area estimation by combining time-series and cross-sectional data

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The results of this section (4.1) were produced using High Computing Facility. In particular, we generated 1000 simulation programs (see e.g. linearsptime.R as one of the 1000 programs) for this simulation study. We do this way to save the time as each simulation run may take sometimes to finish it. Basically, we divide our 1000 simulations to 1000 different jobs (appropriately) and submit the files (jobs) separately to speed up the process using High Computing Facility. We then use a bath file to extract the results to produce the Tables 1-3.