# List of things to do

1. Test our code starting from an empty environment for different scenarios.
2. Run the simulations for all scenarios with nrep=250.
   1. With only MLE, S and MM, one scenario of 250 repetitions takes about 12 minutes.
   2. With cTAU added, one scenario of 250 repetitions takes more than one hour.
3. Update the code for boxplots, coverage probabilities, and coverage intervals/regions to automize things.
4. Update README file
5. Run a simulation with nrep=10000 and only for the *uncontaminated* setting and only S computed from our own code and from varComprob. Objective is to check the estimates of the asymptotic variances of the estimators, due to difference between our result and the one from varComprob for S.

One iteration takes about 1 minute on laptop due to slow computation of S varComprob.