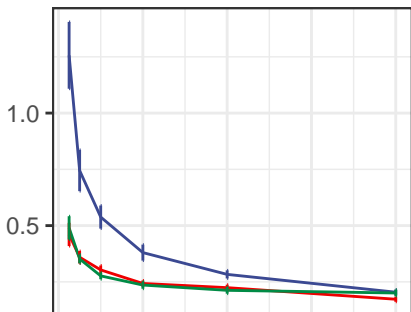
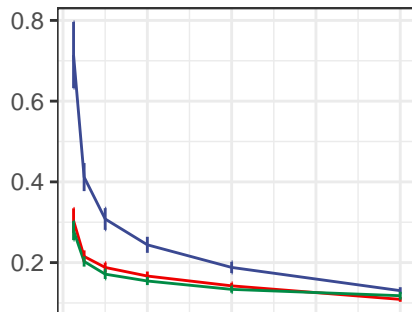
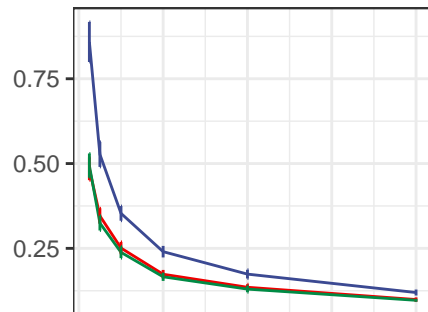
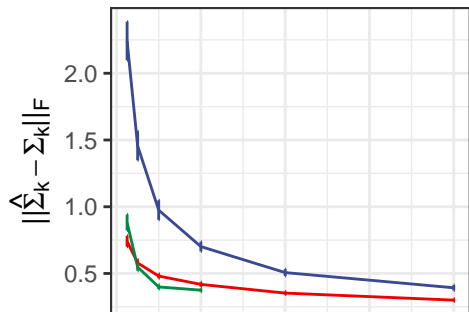
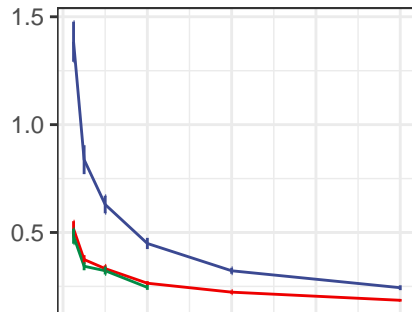
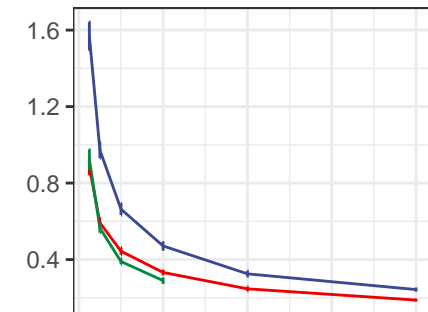
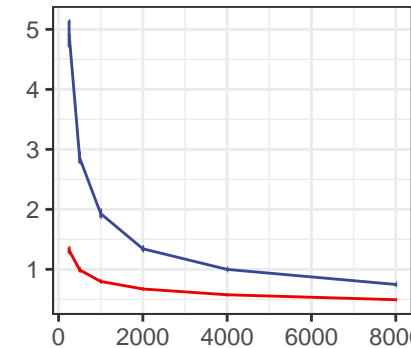
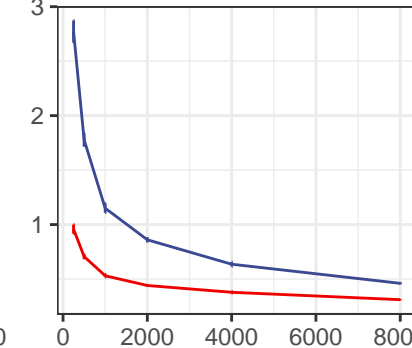
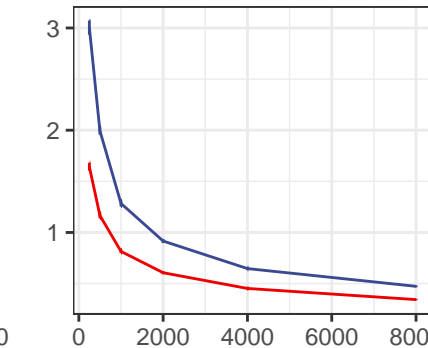
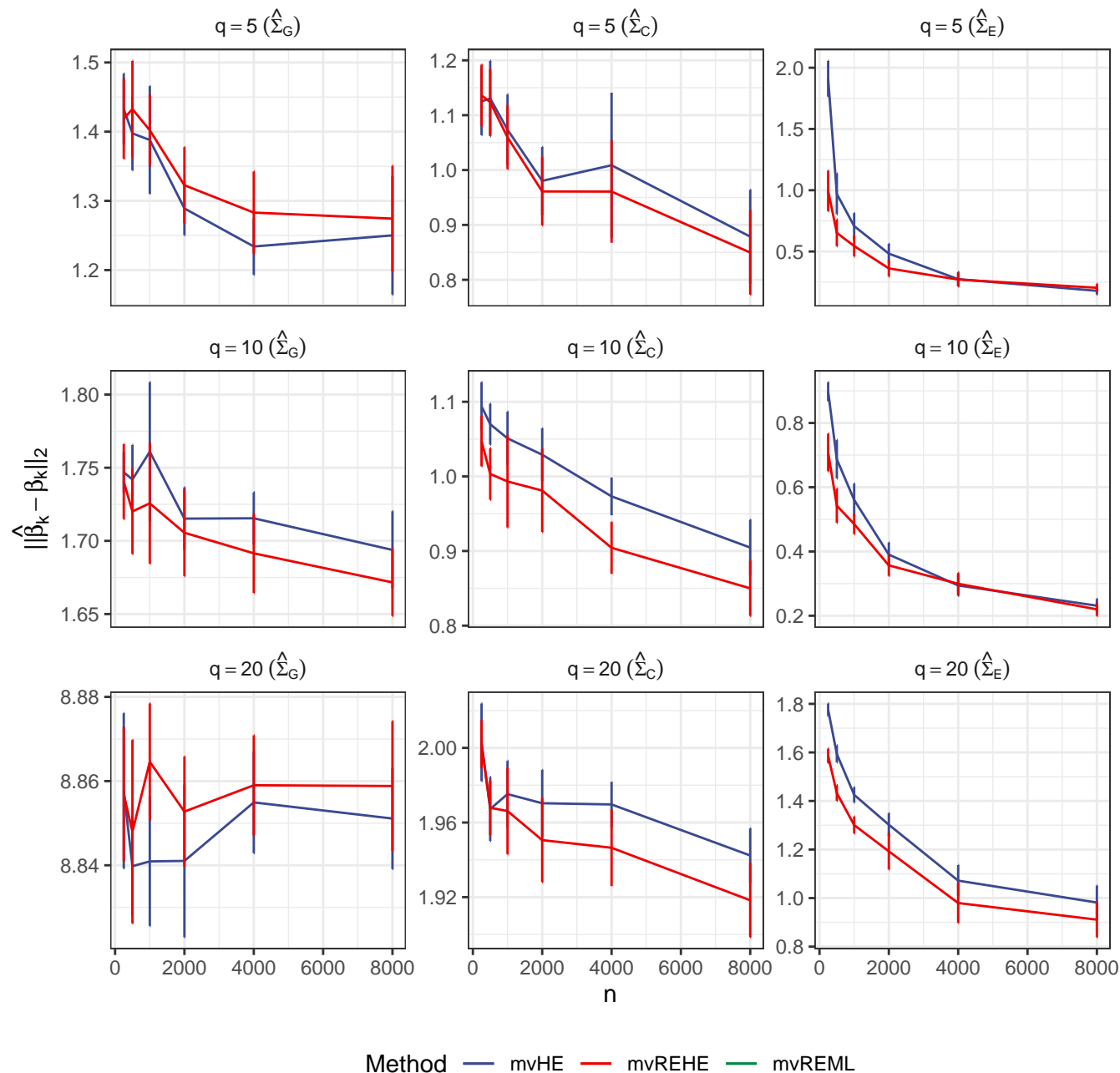
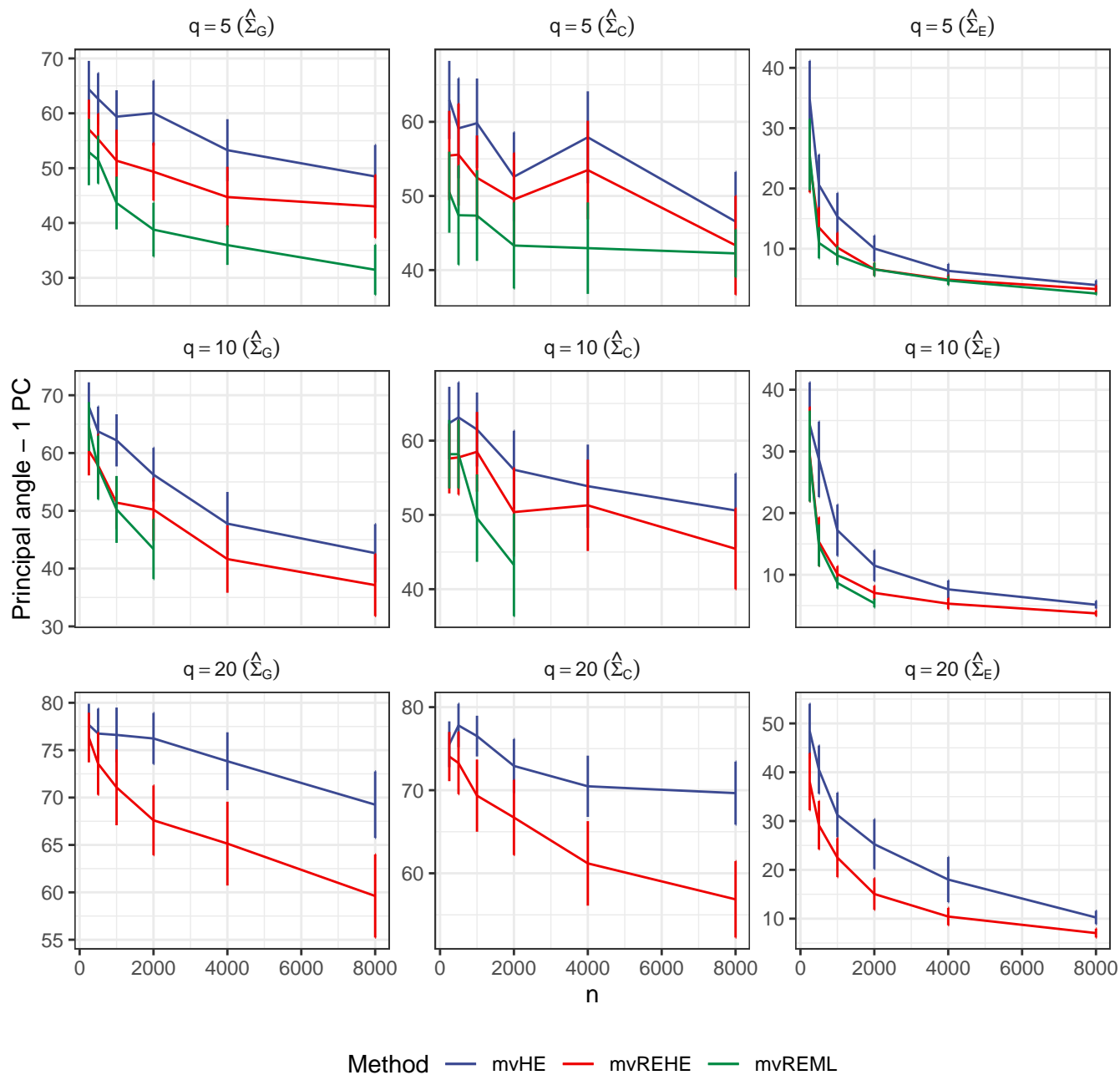


$q = 5 (\hat{\Sigma}_G)$  $q = 5 (\hat{\Sigma}_C)$  $q = 5 (\hat{\Sigma}_E)$  $q = 10 (\hat{\Sigma}_G)$  $q = 10 (\hat{\Sigma}_C)$  $q = 10 (\hat{\Sigma}_E)$  $q = 20 (\hat{\Sigma}_G)$  $q = 20 (\hat{\Sigma}_C)$  $q = 20 (\hat{\Sigma}_E)$ 

n

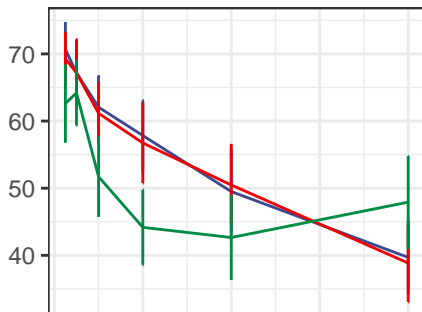
Method — mvHE — mvREHE — mvREML



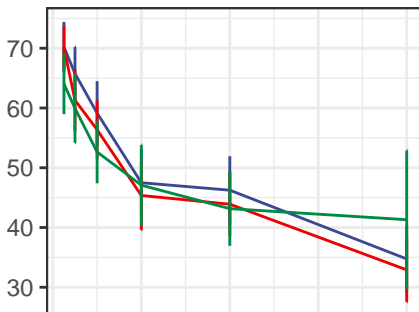


Max principal angle - 3 PCs

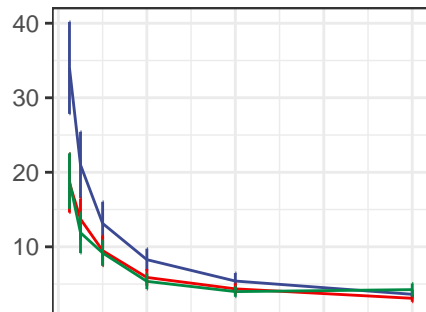
$q = 5 (\hat{\Sigma}_G)$



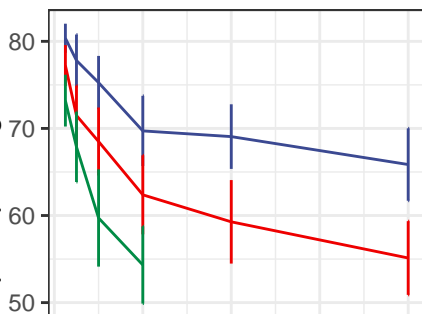
$q = 5 (\hat{\Sigma}_C)$



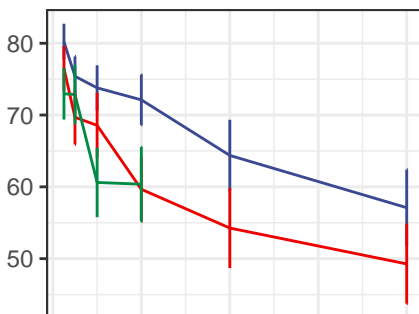
$q = 5 (\hat{\Sigma}_E)$



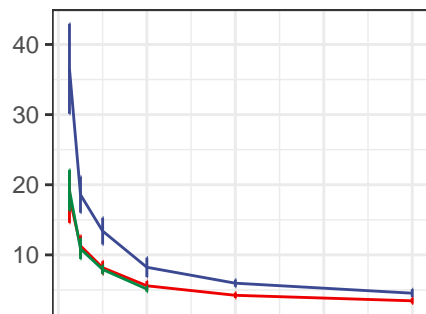
$q = 10 (\hat{\Sigma}_G)$



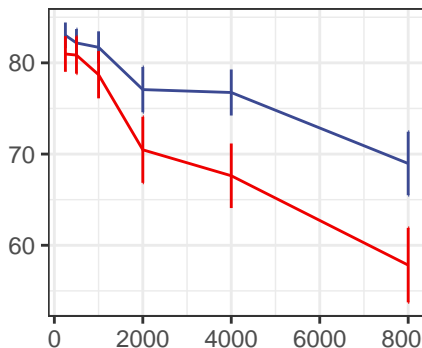
$q = 10 (\hat{\Sigma}_C)$



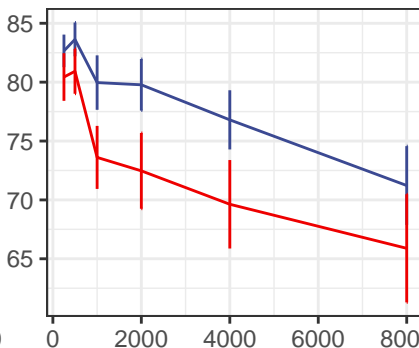
$q = 10 (\hat{\Sigma}_E)$



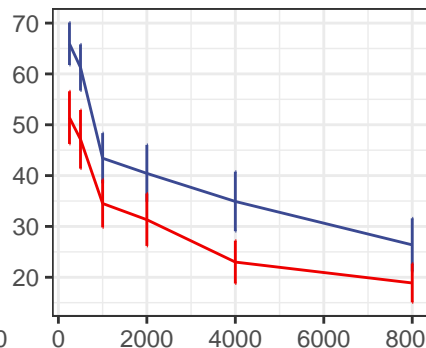
$q = 20 (\hat{\Sigma}_G)$



$q = 20 (\hat{\Sigma}_C)$

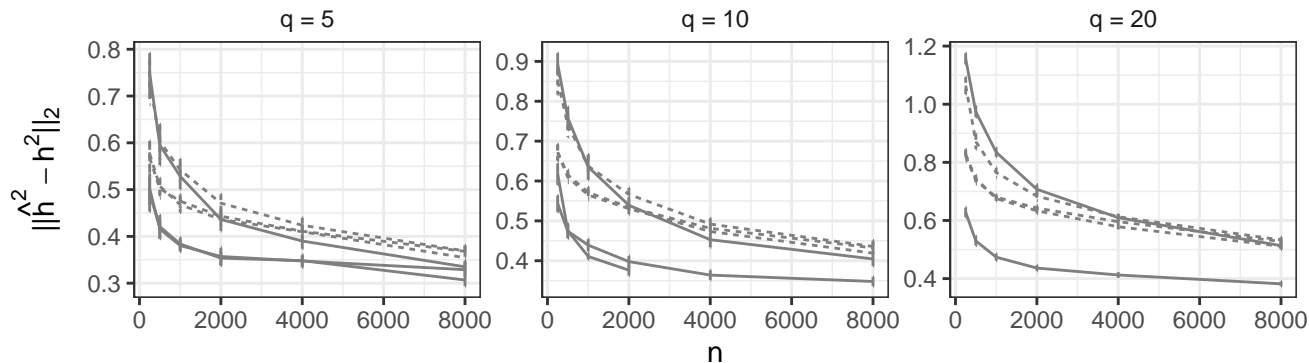
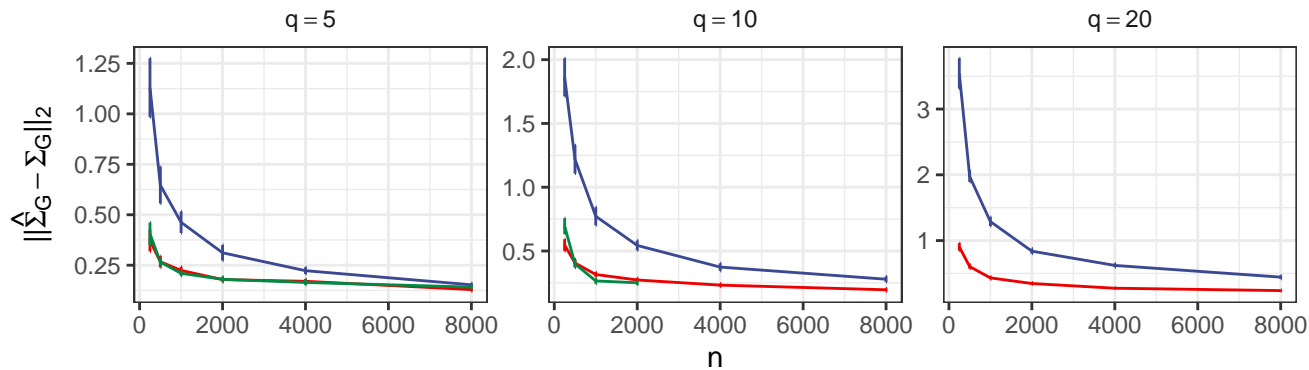
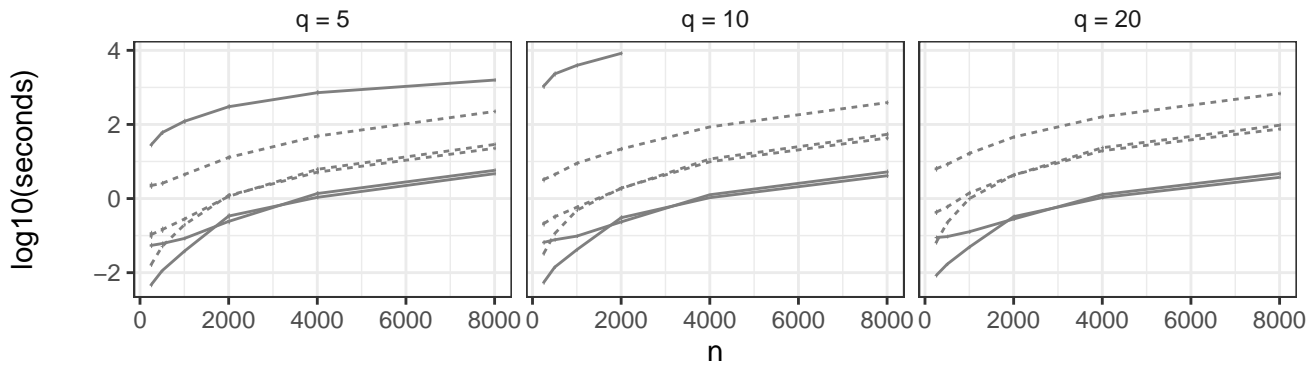


$q = 20 (\hat{\Sigma}_E)$



$n$

Method — mvHE — mvREHE — mvREML



— Multivariate    - - - - Univariate    Method — NA    Method — mvHE    — mvREHE    — mvRE