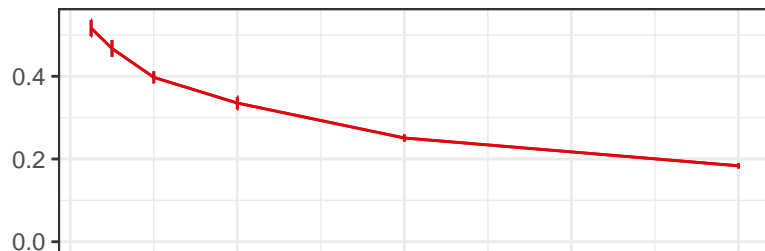
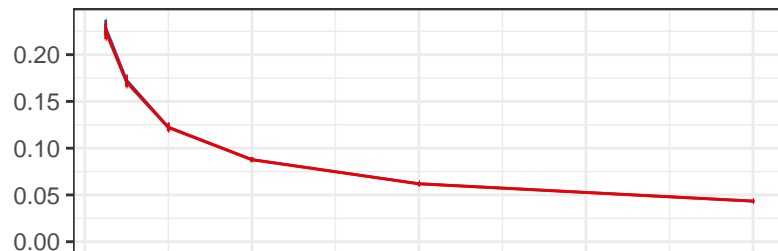
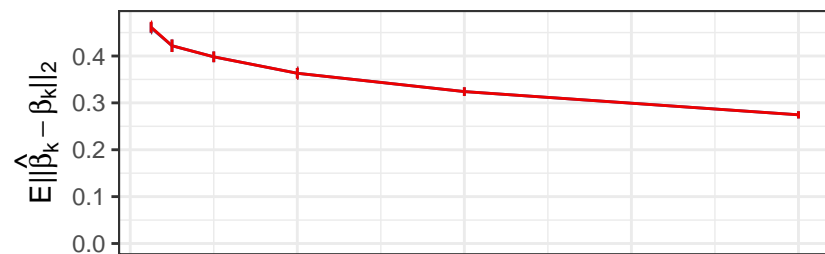
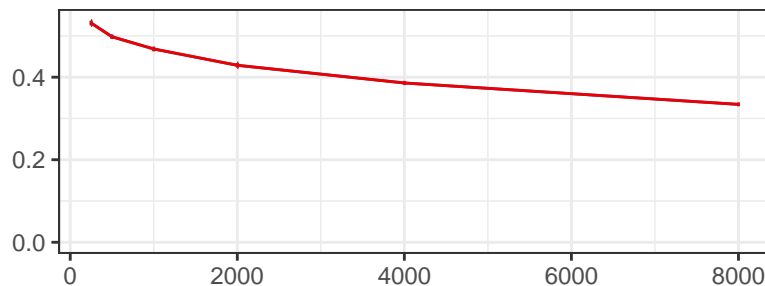
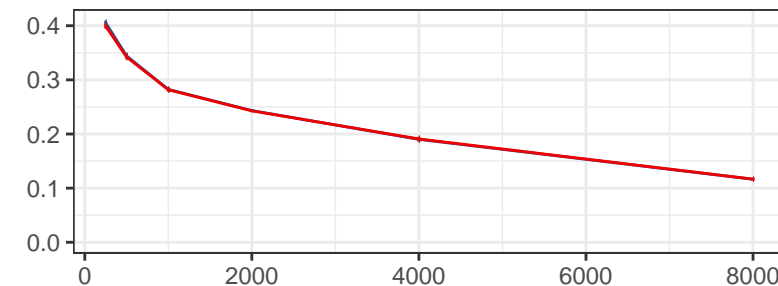


$q = 5 (\hat{\Sigma}_G)$  $q = 5 (\hat{\Sigma}_E)$  $q = 10 (\hat{\Sigma}_G)$  $q = 10 (\hat{\Sigma}_E)$  $q = 20 (\hat{\Sigma}_G)$  $q = 20 (\hat{\Sigma}_E)$  $n$ 

Method — mvHE — mvREHE — mvREML