A) Analysis with model 1
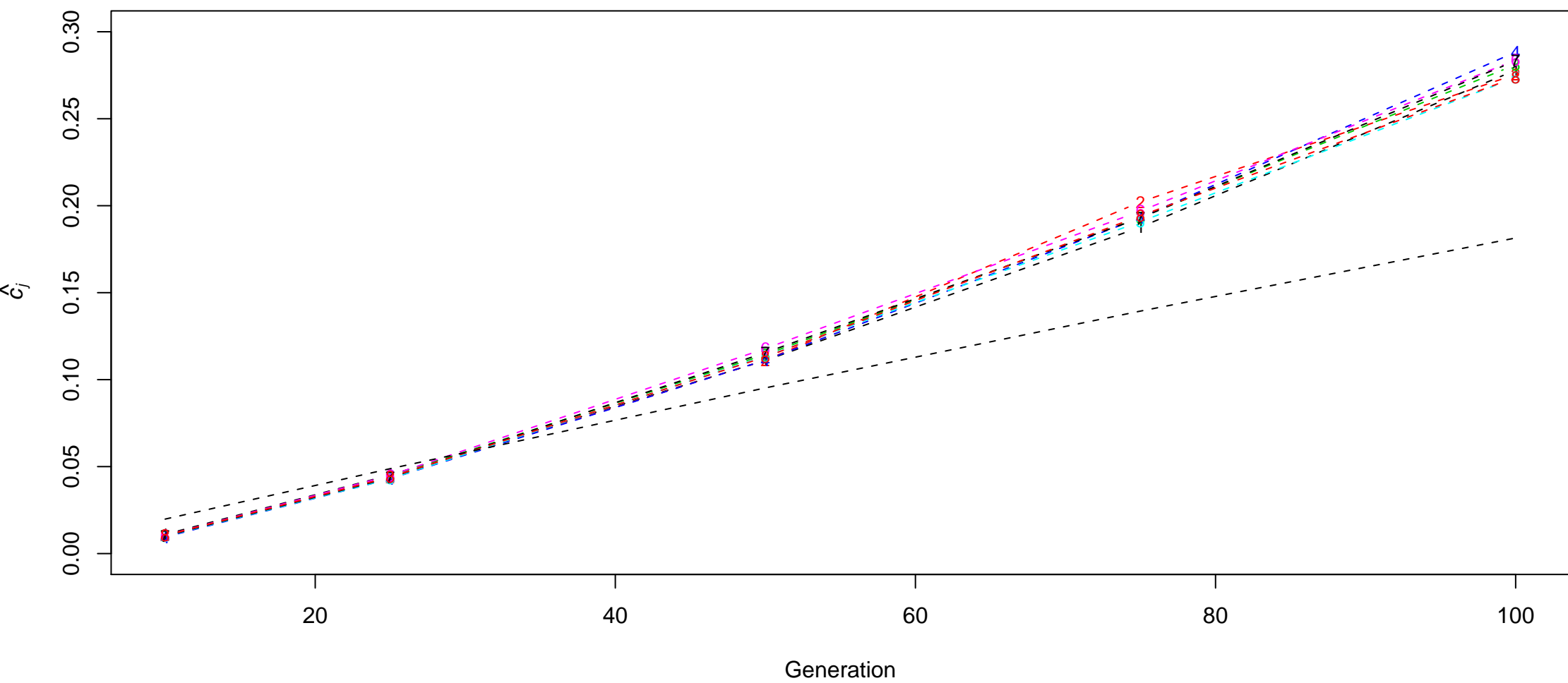
B) Analysis with model 2