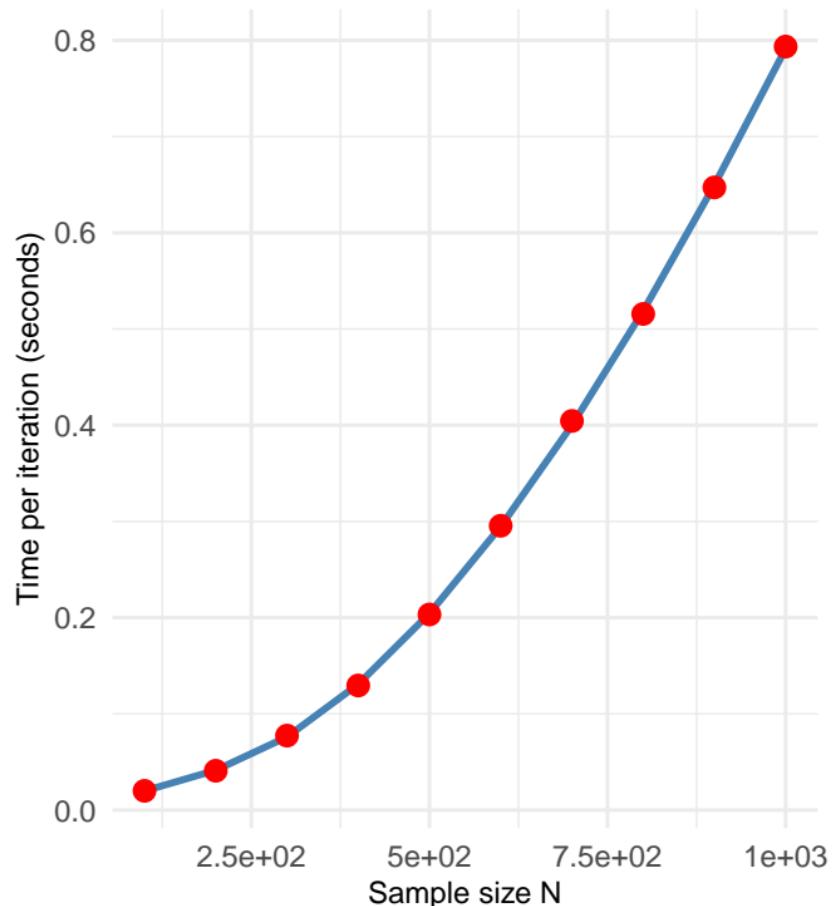


(a) Dependency on N ~ O(N*log(N))



(b) Dependency on d ~ O(d*log(d)*log(log(d)))

