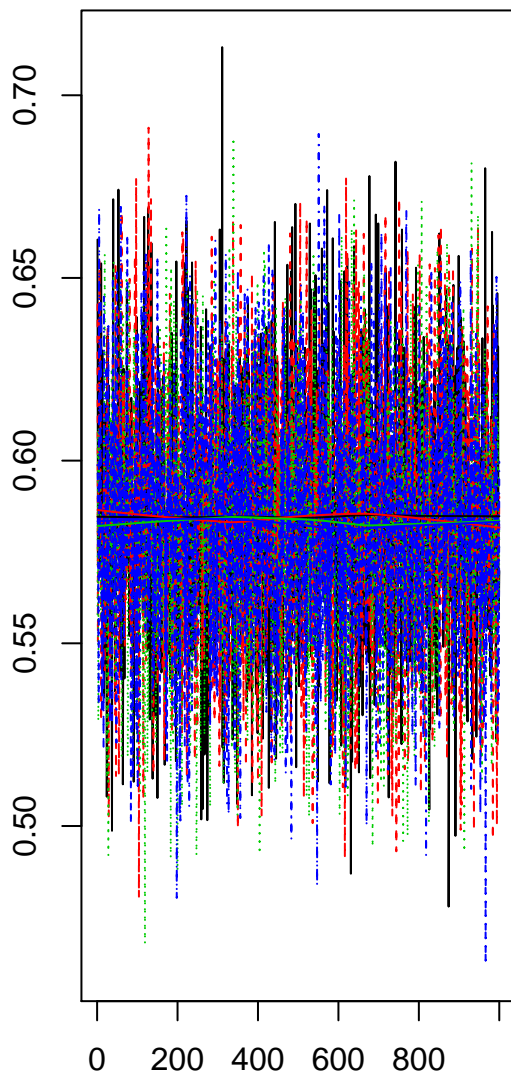
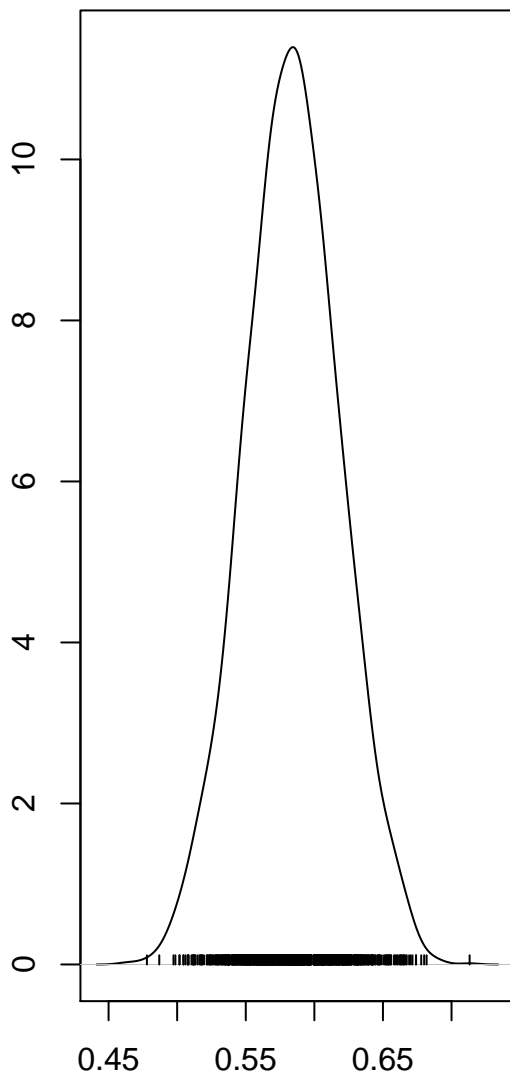


**Trace of  $q$**



Iterations

**Density of  $q$**



N = 1000 Bandwidth = 0.006968