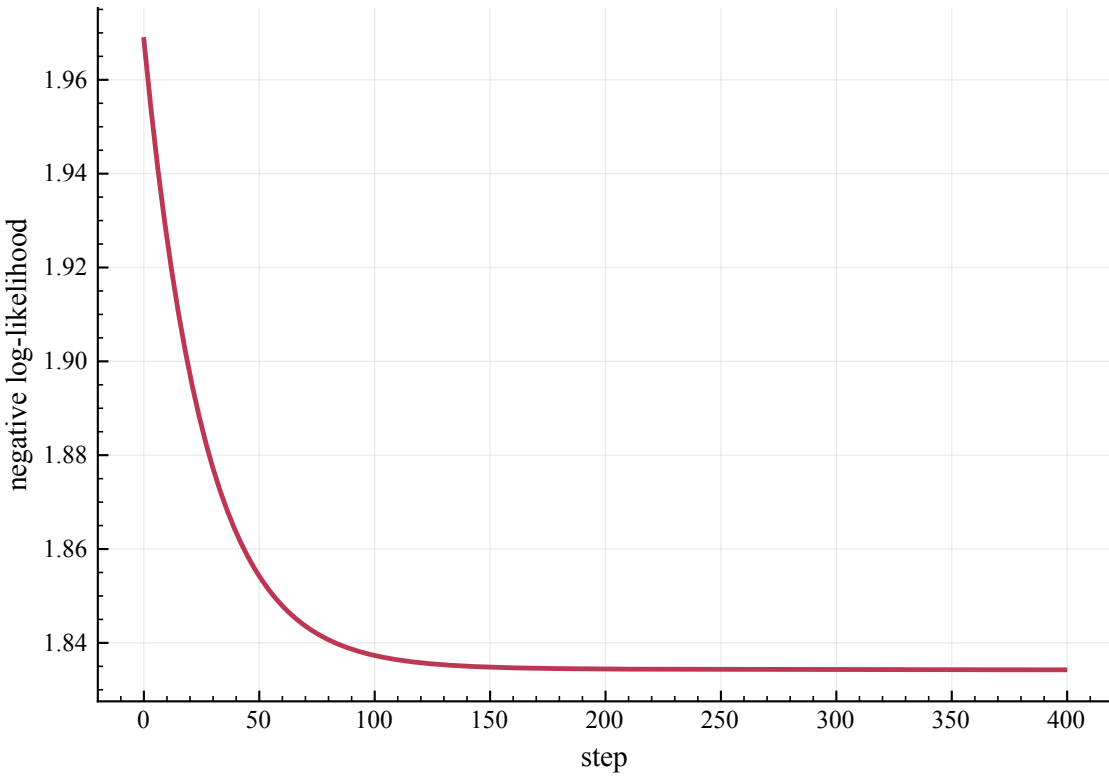


optimization



recovering q

