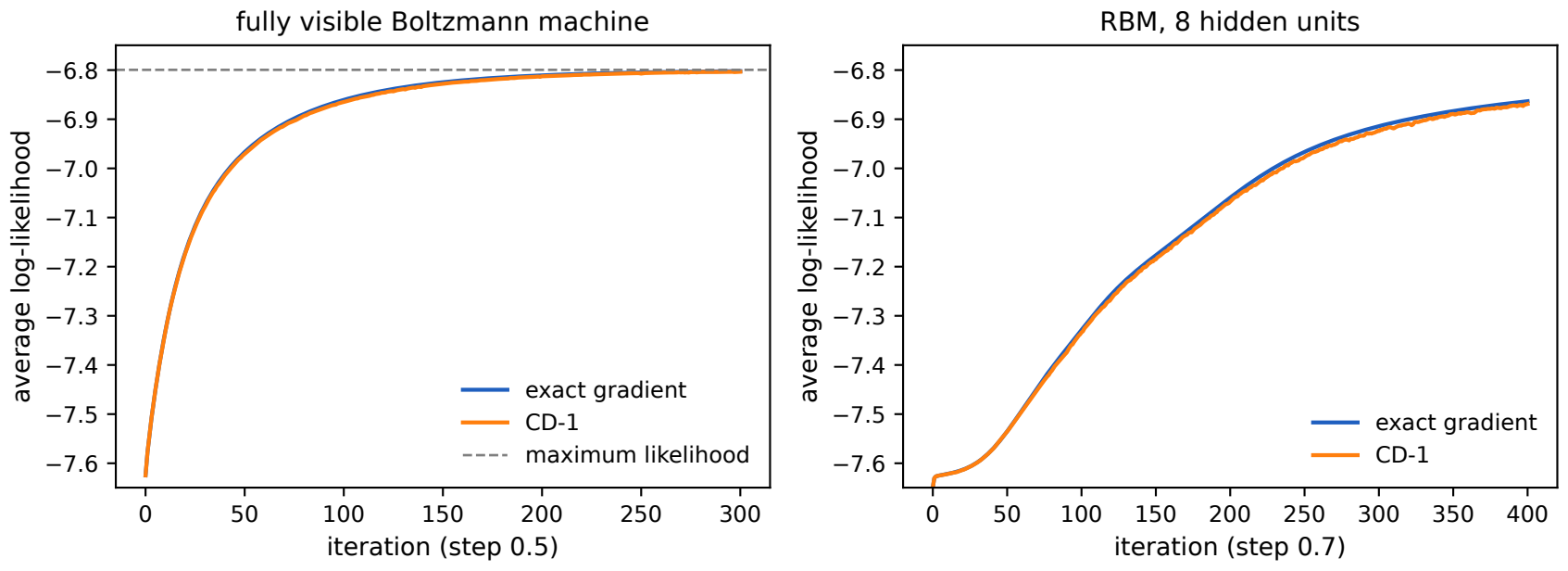

fully visible Boltzmann machine
average log-likelihood
−6.8
−6.9
−7.0
−7.1
−7.2
−7.3
−7.4
−7.5
−7.6
0
50
100
150
200
250
300
iteration (step 0.5)
exact gradient
CD-1
maximum likelihood
RBM, 8 hidden units
average log-likelihood
−6.8
−6.9
−7.0
−7.1
−7.2
−7.3
−7.4
−7.5
−7.6
0
50
100
150
200
250
300
350
400
iteration (step 0.7)
exact gradient
CD-1