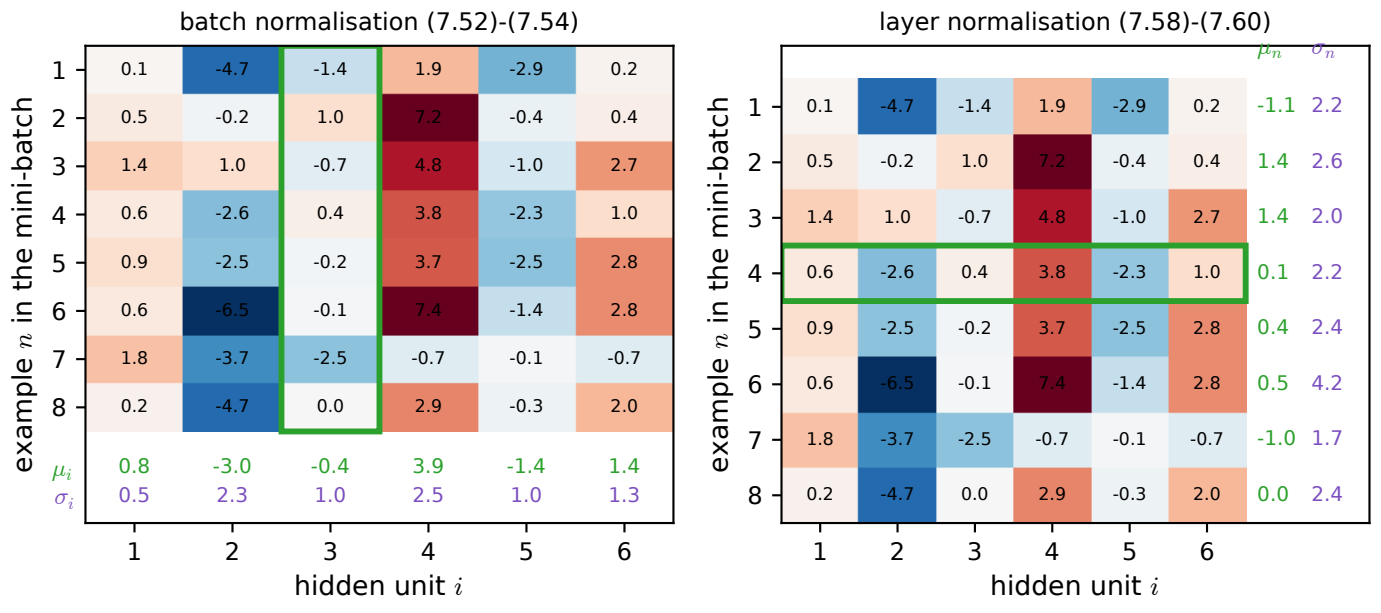

batch normalisation (7.52)-(7.54)
example n in the mini-batch
hidden unit i
1 2 3 4 5 6 7 8
1 2 3 4 5 6
0.1 -4.7 -1.4 1.9 -2.9 0.2
0.5 -0.2 1.0 7.2 -0.4 0.4
1.4 1.0 -0.7 4.8 -1.0 2.7
0.6 -2.6 0.4 3.8 -2.3 1.0
0.9 -2.5 -0.2 3.7 -2.5 2.8
0.6 -6.5 -0.1 7.4 -1.4 2.8
1.8 -3.7 -2.5 -0.7 -0.1 -0.7
0.2 -4.7 0.0 2.9 -0.3 2.0
μ_i 0.8 -3.0 -0.4 3.9 -1.4 1.4
σ_i 0.5 2.3 1.0 2.5 1.0 1.3
layer normalisation (7.58)-(7.60)
μ_n σ_n
0.1 -4.7 -1.4 1.9 -2.9 0.2 -1.1 2.2
0.5 -0.2 1.0 7.2 -0.4 0.4 1.4 2.6
1.4 1.0 -0.7 4.8 -1.0 2.7 1.4 2.0
0.6 -2.6 0.4 3.8 -2.3 1.0 0.1 2.2
0.9 -2.5 -0.2 3.7 -2.5 2.8 0.4 2.4
0.6 -6.5 -0.1 7.4 -1.4 2.8 0.5 4.2
1.8 -3.7 -2.5 -0.7 -0.1 -0.7 -1.0 1.7
0.2 -4.7 0.0 2.9 -0.3 2.0 0.0 2.4