EP3260: Machine Learning Over Networks Peer-review of HW2 of group 2

Stefanos Antaris[*1], Amaru Cuba Gyllensten[†1,2], Martin Isaksson[‡1,2,3], Sarit Khirirat[§1], and Klas Segeljakt[¶1,2]

[1]*KTH Royal Institute of Technology*
[2]*RISE AI*
[3]*Ericsson Research*

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1 Homework assignment

1.1 General comments

Similar to the HW1, the proofs seem correct but it is really difficult to read and follow the correctness of them while being handwritten and scanned. However, we don't see any major problems in the proofs, except from some minor typos.

[*]antaris@kth.se
[†]amaru.cuba.gyllensten@ri.se
[‡]martisak@kth.se
[§]sarit@kth.se
[¶]klasseg@kth.se

1.2 HW2 a)

All three proofs are accurate. It is nice that you found both the B and L in the first and second proof. Some further improvements on the first two proofs would be to simplify the gradient, see `https://www.wolframalpha.com/input/?i=log(1%2Bexp(-g(x)))` and add an extra minus in the exponent of the Hessian, see `https://www.wolframalpha.com/input/?i=d%5E2%2Fdx%5E2+log(1%2Bexp(-g(x)))`.

1.3 HW2 b)

The proof seems correct and explicitly clear.

1.4 HW2 c)

Nice short solution and accurate proof.