

# DCN: Quick assessment of l2 effect for a network configuration with DCN and DNN stacked

For a fixed network configuration, where DCN and DNN are stacked, we'd like to assess quickly the effect of L2 regularization on performances, and having an idea on the value to use in further experiments.

Overall we see that  $L2=0.008$  improves performances and reduces nicely the overfitting of the model.

We can see huge variations of accuracy values within an epoch, showing that we should experiment with different batch sizes.

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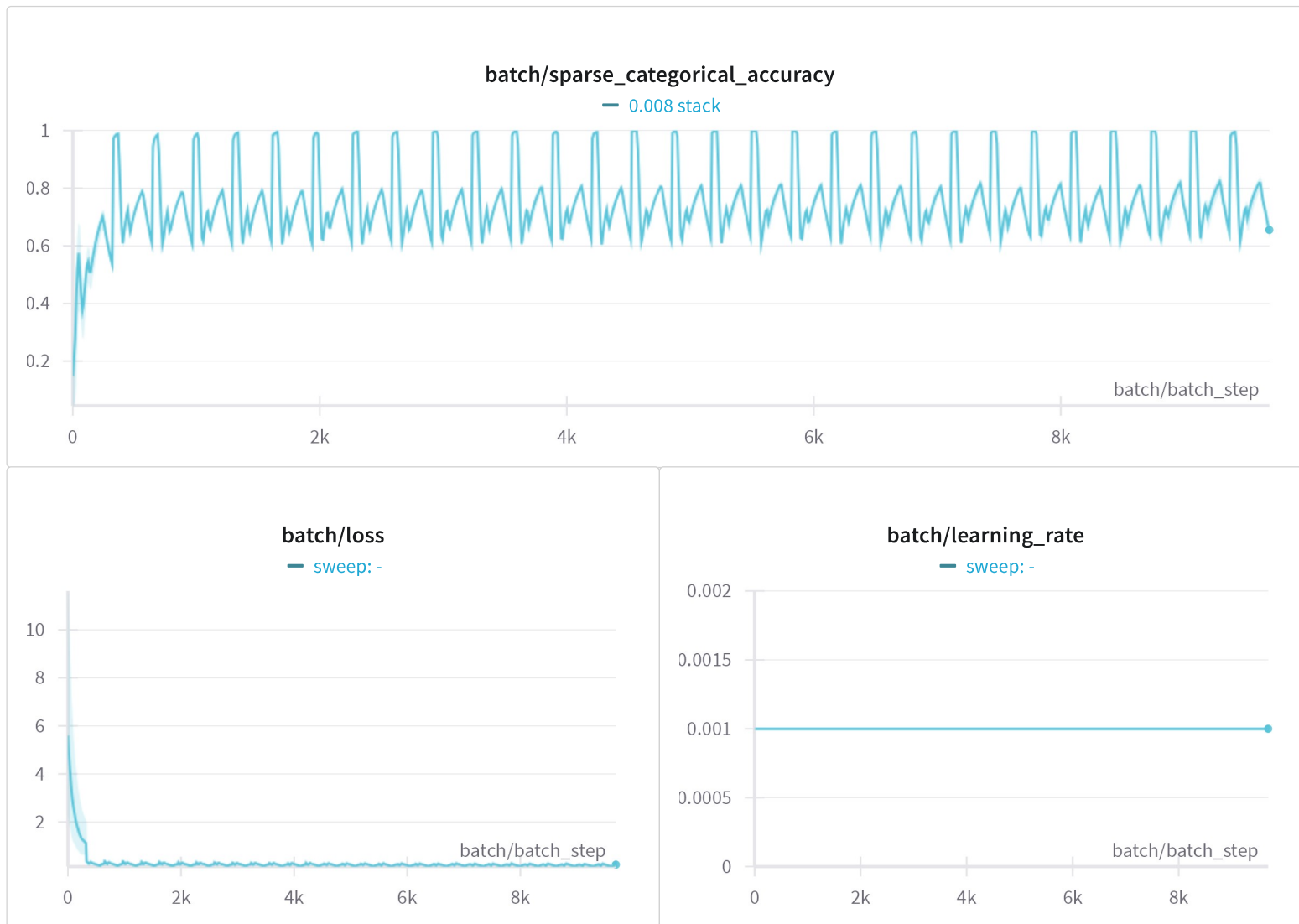
## ▼ Experiments summary

Sweep:

▼ META

notes

## ▼ Batch metrics analysis





- Epoch metrics analysis



Created with ❤️ on Weights & Biases.

[https://wandb.ai/mike-fournigault1/astro\\_iqa/reports/DCN-Quick-assessment-of-l2-effect-for-a-network-configuration-with-DCN-and-DNN-stacked--VmlldzoxMjMzNDUzMA](https://wandb.ai/mike-fournigault1/astro_iqa/reports/DCN-Quick-assessment-of-l2-effect-for-a-network-configuration-with-DCN-and-DNN-stacked--VmlldzoxMjMzNDUzMA)

