

Additional file 10: Supplementary Methods: RigL

RigL is a recently proposed method to learn sparse networks with a fixed computational cost, by performing topology updates of the sparse network during training using parameter magnitudes and infrequent gradient calculations [1]. By avoiding the typical approach of pruning, where one starts with the fully connected layer and gradually cuts down connections, computational and memory cost can be limited for large NN layers.

References

- [1] Evci, U., Gale, T., Menick, J., Rivadeneira, P.S.C., Elsen, E.: Rigging the lottery: Making all tickets winners. In: International Conference of Machine Learning (2020)