

Assignment Set 12

Pegah Khazaei

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Transfer learning has several benefits, but the main advantages are saving training time, better performance of neural networks (in most cases), and not needing a lot of data.

The deep, powerful models provided in PyTorch are prone to overfitting. Therefore regularization is crucial. Besides that, these models can provide a quick estimate of baselines before thinking of different model architectures.

Transfer learning is useful when you have insufficient data for a new domain you want handled by a neural network and there is a big pre-existing data pool that can be transferred to your problem.