

- Use online open source implementations, and transform them to your needs.
- Transfer learning: take the computed weights of a model in a layer and use them as your input, to maybe already the softmax or some hidden units.

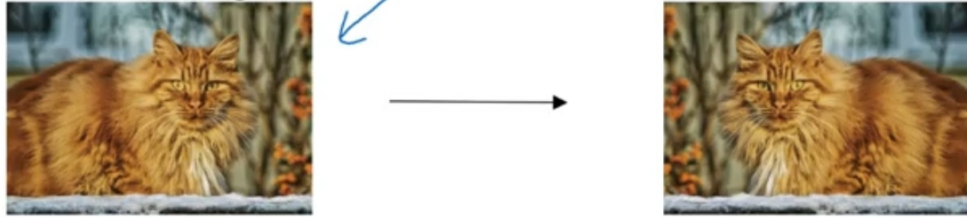
What you should remember:

- To adapt the classifier to new data: Delete the top layer, add a new classification layer, and train only on that layer
- When freezing layers, avoid keeping track of statistics (like in the batch normalization layer)
- Fine-tune the final layers of your model to capture high-level details near the end of the network and potentially improve accuracy

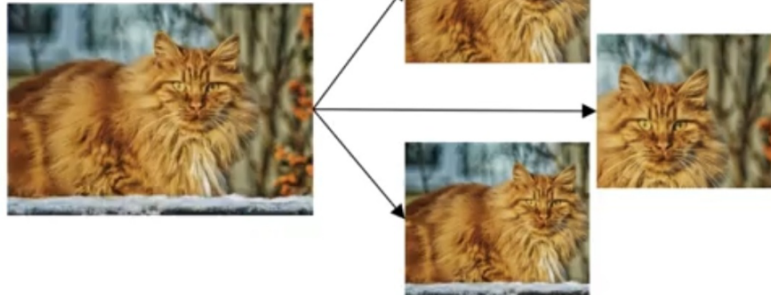
- Data augmentation:

Common augmentation method

Mirroring



Random Cropping



Color shifting

