

# Neural network training pipeline

Sample batch (input data  $x$  and target data  $y$ ) from training dataset:

- 1 epoch
- Evaluate model on batch input data (=prediction) in forward pass
  - Compute loss on prediction and target  $y$
  - Compute weight gradients with backprop.
  - Modify weights based on gradients and learning rate
  - Repeat for all batches

Repeat for a number of epochs, monitor training and validation loss + metrics

