

## TEKLRN

### TENSORFLOW LEVEL 16

1. Transfer learning and fine-tuning
  - Data preprocessing
  - Data download
2. Configure the dataset for performance
3. Use data augmentation
4. Rescale pixel values
5. Create the base model from the pre-trained convnets
6. Feature extraction
7. Freeze the convolutional base
8. Important note about BatchNormalization layers
  - Add a classification head
  - Compile the model
  - Train the model
9. Learning curves
  - Fine tuning
10. Un-freeze the top layers of the model
11. Compile the model
12. Continue training the model
13. Evaluation and prediction
14. Summary
15. Transfer learning with TensorFlow Hub
  - Setup
16. An ImageNet classifier
17. Download the classifier
18. Run it on a single image

19. Decode the predictions
20. Simple transfer learning
21. Dataset
22. Run the classifier on a batch of images
23. Download the headless model
24. Attach a classification head
25. Train the model
26. Check the predictions
27. Plot the result
28. Export your model