1) Neural networks and deep learning

- Python basics with NumPy (folder)
- Logistic regression with a neural network mindset (folder)
- Planar data classification with a hidden layer (folder)
- Building your deep neural network (folder)
- Deep neural network: Application (folder)

2) Improving deep neural networks

- Initialization (folder)
- Regularization (folder)
- Gradient checking (folder)
- Optimization (folder)
- TensorFlow (folder)

3) Structuring machine learning projects

4) Convolutional neural networks

- Convolutional neural networks: Step by step (folder)
- Convolutional neural networks: Application (folder)
- Keras tutorial (folder)
- Residual networks (folder)
- Car detection with YOLO (folder)
- Art generation with neural style transfer (folder)
- Face recognition (folder)

5) Sequence models

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- Dinosaur island: Character level language modeling (folder)
- Jazz improvisation with LSTM (folder)
- Operations on word vectors: Debiasing (folder)
- Emojify (folder)
- Neural machine translation with attention (folder)
- Trigger word detection (folder)