1. Neural networks and deep learning
   * Python basics with NumPy ([folder](1_Neural_networks_and_deep_learning/01_Python_basics_with_numpy))
   * Logistic regression with a neural network mindset ([folder](1_Neural_networks_and_deep_learning/02_Logistic_regression_with_a_neural_network_mindset))
   * Planar data classification with a hidden layer ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\1_Neural_networks_and_deep_learning\03_Planar_data_classification_with_a_hidden_layer))
   * Building your deep neural network ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\1_Neural_networks_and_deep_learning\04_Building_your_deep_neural_network))
   * Deep neural network: Application ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\1_Neural_networks_and_deep_learning\05_Deep_neural_network_Application))
2. Improving deep neural networks
   * Initialization ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\2_Improving_deep_neural_networks\01_Initialization))
   * Regularization ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\2_Improving_deep_neural_networks\02_Regularization))
   * Gradient checking ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\2_Improving_deep_neural_networks\03_Gradient_checking))
   * Optimization ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\2_Improving_deep_neural_networks\04_Optimization))
   * TensorFlow ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\2_Improving_deep_neural_networks\05_Tensorflow))
3. Structuring machine learning projects
4. Convolutional neural networks
   * Convolutional neural networks: Step by step ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\4_Convolutional_neural_networks\01_Convolutional_model_Step_by_step))
   * Convolutional neural networks: Application ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\4_Convolutional_neural_networks\02_Convolutional_model_Application))
   * Keras tutorial ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\4_Convolutional_neural_networks\03_Keras_tutorial))
   * Residual networks ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\4_Convolutional_neural_networks\04_Residual_networks))
   * Car detection with YOLO ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\4_Convolutional_neural_networks\05_Car_detection_with_YOLO))
   * Art generation with neural style transfer ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\4_Convolutional_neural_networks\06_Art_generation_with_neural_style_transfer))
   * Face recognition ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\4_Convolutional_neural_networks\07_Face_recognition))
5. Sequence models
   * Building a recurrent neural network: Step by step ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\5_Sequence_models\01_Building_a_recurrent_neural_network_Step_by_step))
   * Dinosaur island: Character level language modeling ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\5_Sequence_models\02_Dinosaur_island_Character_level_language_modeling))
   * Jazz improvisation with LSTM ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\5_Sequence_models\03_Jazz_improvisation_with_LSTM))
   * Operations on word vectors: Debiasing ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\5_Sequence_models\04_Operations_on_word_vectors_Debiasing))
   * Emojify ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\5_Sequence_models\05_Emojify))
   * Neural machine translation with attention ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\5_Sequence_models\06_Neural_machine_translation_with_attention))
   * Trigger word detection ([folder](file:///M:\Programming\Courses\Deep_learning_specialization\5_Sequence_models\07_Trigger_word_detection))