

Introduction to Deep Learning & Keras

- 1) What is deep learning?
- 2) What is ANN?
- 3) Introduction to Keras
 - Overview of Keras
 - Features of Keras
 - Benefits of Keras
- 4) Keras Installation

Keras - Models, Layers and Modules

- 1) Keras Models
 - Sequential Model
 - Functional API
- 2) Keras Layers
 - Core Layers
 - Convolution Layers
 - Pooling Layers
 - Recurrent Layers
- 3) Modules

Keras - Model Compilation, Evaluation and Prediction

- 1) Loss
- 2) Optimizer
- 3) Metrics
- 4) Compile the model
- 5) Model Training
- 6) Model Evaluation
- 7) Model Prediction

Life-Cycle for Neural Network Models in Keras

- 1) Define Network

2) Compile Network

3) Fit Network

4) Evaluate Network

5) Make Predictions

Developing a Deep Learning model with Keras

Building our first neural network in keras