

TEKLRN

KERAS LEVEL 19

1. Training & evaluation with the built-in methods
 - setup
 - Introduction
2. API Overview a first end-to-end example
 - use the MNIST dataset as NumPy arrays, in order to demonstrate how to use optimizers, losses, and metrics.
 - What an end-to-end workflow looks like
 - Demonstration with the training configuration (optimizer, loss, metrics):
 - Usage of fit() method for Training the model
 - Fit Model on Training Data
 - Usage of evaluate()
 - The compile() method: specifying a loss, metrics, and an optimizer
3. Custom losses
4. Custom metrics
5. Handling losses and metrics that don't fit the standard signature
6. Automatically setting apart a validation holdout set
7. Training & evaluation from tf.data Datasets
8. Using a validation dataset
9. Input formats supported
10. Using a keras.utils.Sequence object as input
11. Using sample weighting and class weighting
12. Passing data to multi-input and multioutput models
13. Writing your own callback.
14. Checkpointing models.
15. Using learning rate schedules
16. Visualizing loss and metrics during training