- **Working with RNNs**
- **Built-in RNN layers: a simple example**
- **keras.layers.SimpleRNN**
- **keras.layers.GRU**
- **keras.layers.LSTM**
- **Outputs and states of RNN**
- **RNN layers and RNN cells**
- **Cross-batch statefulness**
- **RNN State Reuse**
- **Bidirectional RNNs**
- **Performance optimization and CuDNN kernels**
- **Using CuDNN kernels when available**
- **load the MNIST dataset:**
- **create a model instance and train it.**
- **RNNs with list/dict inputs, or nested inputs**
- **Define a custom cell that supports nested input/output**
- **Build a RNN model with nested input/output**
- **Train the model with randomly generated data**