- ➢ **Customization basics: tensors and operations**

- ➢ **Import Tensorflow**

- ➢ **Tensors**

- ➢ **NumPy Compatibility**

- ➢ **GPU acceleration**

- ➢ **Device Names**

- ➢ **Datasets**

- ➢ **Create a source Dataset**

- ➢ **Apply transformations**

- ➢ **Iterate**

- ➢ **Custom layers**

- ➢ **Layers: common sets of useful operations**

- ➢ **TensorFlow programming**

- ➢ **Download the dataset**

- ➢ **Inspect the data**

- ➢ **Create a tf.data.Dataset**

- ➢ **Select the type of model**

- ➢ **Define the loss and gradient function**

- ➢ **Evaluate the model's effectiveness**

- ➢ **Use the trained model to make predictions**

- ➢ **Create an optimizer**