Getting Started With TensorFlow

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Tensors

**Tensor** is the central unit of data in TensorFlow. A tensor consist of a set of primitive values, shaped into an array of any number of dimensions. A tensor’s **rank** is its number of dimensions. Here are some examples of tensors:

3 # a rank 0 tensor; this is a scalar with shape [ ]

[1., 2., 3.] # a rank 1 tensor; this is a vector with shape [3]

[[1., 2., 3.], [4., 5., 6.]] # a rank 2 tensor; a matrix with shape [2, 3]