[tf.train.Example]

The Example is the tensorflow class to represent data sample (One example is one data sample).

Meanwhile, transforming data into Examples and serializing them into binary protocol is the only way to save dataset into TFRecord file.

* the flow chart of making an example

list{float}

list{int/bool}

list{str/byte}

FloatList

Int64List

BytesList

Feature

tf.train.FloatList(value=)  
tf.train.Int64List(value=)

tf.train.BytesList(value=)

tf.train.Feature(float\_list=)  
tf.train.Feature(int64\_list=)

tf.train.Feature(bytes\_list=)

Features

Example

tf.train.example(features=)

dict{str: Feature}

{string: Feature}

tf.train.features(feature=)

* The example component

Example

Features

Feature

FloatList

list{float}

Feature

BytesList

dict

list{str/byte}

* example of building Example object.