TensorFlow   API r1.4

tf.layers.InputSpec

Contents

Class **InputSpec**

Aliases:

- Class `tf.keras.layers.InputSpec`
- Class `tf.layers.InputSpec`

Defined in `tensorflow/python/layers/base.py` .

Specifies the ndim, dtype and shape of every input to a layer.

Every layer should expose (if appropriate) an `input_spec` attribute: a list of instances of InputSpec (one per input tensor).

A None entry in a shape is compatible with any dimension, a None shape is compatible with any shape.

Arguments:

- `dtype` : Expected DataType of the input.
- `shape` : Shape tuple, expected shape of the input (may include None for unchecked axes).
- `ndim` : Integer, expected rank of the input.
- `max_ndim` : Integer, maximum rank of the input.
- `min_ndim` : Integer, minimum rank of the input.
- `axes` : Dictionary mapping integer axes to a specific dimension value.

Methods

`__init__`

```
__init__(
    dtype=None,
    shape=None,
    ndim=None,
    max_ndim=None,
    min_ndim=None,
    axes=None
)
```

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