tf.FixedLenSequenceFeature

Contents

Class `FixedLenSequenceFeature`

Defined in `tensorflow/python/ops/parsing_ops.py` .

See the guide: Inputs and Readers > Converting

Configuration for parsing a variable-length input feature into a `Tensor` .

The resulting `Tensor` of parsing a single `SequenceExample` or `Example` has a static `shape` of `[None] + shape` and the specified `dtype` . The resulting `Tensor` of parsing a `batch_size` many `Example` s has a static `shape` of `[batch_size, None] + shape` and the specified `dtype` . The entries in the `batch` from different `Examples` will be padded with `default_value` to the maximum length present in the `batch` .

To treat a sparse input as dense, provide `allow_missing=True` ; otherwise, the parse functions will fail on any examples missing this feature.

Fields:

- `shape` : Shape of input data for dimension 2 and higher. First dimension is of variable length `None` .
- `dtype` : Data type of input.
- `allow_missing` : Whether to allow this feature to be missing from a feature list item. Is available only for parsing `SequenceExample` not for parsing `Examples` .
- `default_value` : Scalar value to be used to pad multiple `Example` s to their maximum length. Irrelevant for parsing a single `Example` or `SequenceExample` . Defaults to "" for dtype string and 0 otherwise (optional).

Properties

`allow_missing`

Alias for field number 2

`default_value`

Alias for field number 3

`dtype`

Alias for field number 1

shape

Alias for field number 0

Methods

`__new__`

```
@staticmethod
__new__(
    cls,
    shape,
    dtype,
    allow_missing=False,
    default_value=None
)
```

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