

## tf.contrib.rnn.LSTMStateTuple

### Contents

Class LSTMStateTuple

Aliases:

Properties

c

## Class LSTMStateTuple

---

### Aliases:

- Class `tf.contrib.rnn.LSTMStateTuple`
- Class `tf.nn.rnn_cell.LSTMStateTuple`

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

See the guide: [RNN and Cells \(contrib\) > Classes storing split RNNCell state](#)

Tuple used by LSTM Cells for `state_size`, `zero_state`, and output state.

Stores two elements: `(c, h)`, in that order. Where `c` is the hidden state and `h` is the output.

Only used when `state_is_tuple=True`.

## Properties

---

### c

Alias for field number 0

### dtype

### h

Alias for field number 1

## Methods

---

### \_\_new\_\_

```
__new__(
    _cls,
    c,
    h
)
```

Create new instance of LSTMStateTuple(c, h)

---

Except as otherwise noted, the content of this page is licensed under the [Creative Commons Attribution 3.0 License](#), and code samples are licensed under the [Apache 2.0 License](#). For details, see our [Site Policies](#). Java is a registered trademark of Oracle and/or its affiliates.

Last updated November 2, 2017.

## Stay Connected

[Blog](#)

[GitHub](#)

[Twitter](#)

## Support

[Issue Tracker](#)

[Release Notes](#)

[Stack Overflow](#)

**English**

[Terms](#) | [Privacy](#)