TencorFlow

TensorFlow API r1.4

 $tf.contrib.bayesflow.stochastic_tensor.ObservedStochasticTensor$

Contents
Class ObservedStochasticTensor
Properties
distribution
dtype

Class ObservedStochasticTensor

Inherits From: StochasticTensor

Defined in tensorflow/contrib/bayesflow/python/ops/stochastic_tensor_impl.py.

A StochasticTensor with an observed value.

Properties

distribution

dtype

graph

name

value_type

Methods

__init__

```
__init__(
    dist,
    value,
    name=None
)
```

 $Construct\ an\ \ \textbf{ObservedStochasticTensor}\ .$

ObservedStochasticTensor is backed by distribution **dist** and uses the provided value instead of using the current value type to draw a value from the distribution. The provided value argument must be appropriately shaped to have come from the distribution.

Args:

- dist: an instance of Distribution.
- value : a Tensor containing the observed value
- name: a name for this ObservedStochasticTensor and its ops.

Raises:

- TypeError: if dist is not an instance of Distribution.
- ValueError: if value is not compatible with the distribution.

entropy

```
entropy(name='entropy')
```

loss

```
loss(
    final_loss,
    name=None
)
```

mean

```
mean(name='mean')
```

value

```
value(name='value')
```

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