

Module: tf.contrib.bayesflow.stochastic_tensor

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Defined in [tensorflow/contrib/bayesflow/python/ops/stochastic_tensor.py](#).

Support for creating Stochastic Tensors.

See the [BayesFlow Stochastic Tensors \(contrib\)](#) guide.

Classes

class [BaseStochasticTensor](#) : Base Class for Tensor-like objects that emit stochastic values.

class [MeanValue](#)

class [ObservedStochasticTensor](#) : A StochasticTensor with an observed value.

class [SampleValue](#) : Draw samples, possibly adding new outer dimensions along the way.

class [StochasticTensor](#) : StochasticTensor is a BaseStochasticTensor backed by a distribution.

Functions

[get_current_value_type\(...\)](#)

[value_type\(...\)](#) : Creates a value type context for any StochasticTensor created within.

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