Module: tf.distributions

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

Core module for TensorFlow distribution objects and helpers.

Modules

`bijectors` module: Core module for TensorFlow distribution bijectors.

Classes

`class Bernoulli`: Bernoulli distribution.

`class Beta`: Beta distribution.

`class Categorical`: Categorical distribution.

`class Dirichlet`: Dirichlet distribution.

`class DirichletMultinomial`: Dirichlet-Multinomial compound distribution.

`class Distribution`: A generic probability distribution base class.

`class Exponential`: Exponential distribution.

`class Gamma`: Gamma distribution.

`class Laplace`: The Laplace distribution with location `loc` and `scale` parameters.

`class Multinomial`: Multinomial distribution.

`class Normal`: The Normal distribution with location `loc` and `scale` parameters.

`class RegisterKL`: Decorator to register a KL divergence implementation function.

`class ReparameterizationType`: Instances of this class represent how sampling is reparameterized.

`class StudentT`: Student's t-distribution.

`class Uniform`: Uniform distribution with `low` and `high` parameters.

Functions

`kl_divergence(...)`: Get the KL-divergence KL(distribution_a || distribution_b).

Other Members

`FULLY_REPARAMETERIZED`

`NOT_REPARAMETERIZED`

Last updated November 2, 2017.