TencorFlow

TensorFlow API r1.4

Module: tf.contrib.bayesflow.csiszar\_divergence

**Contents** Functions

Defined in tensorflow/contrib/bayesflow/python/ops/csiszar\_divergence.py.

Csiszar f-Divergence and helpers.

See \${python/contrib.bayesflow.csiszar\_divergence}.

## **Functions**

```
amari_alpha(...): The Amari-alpha Csiszar-function in log-space.
arithmetic_geometric(...): The Arithmetic-Geometric Csiszar-function in log-space.
chi_square(...) : The chi-Square Csiszar-function in log-space.
csiszar_vimco(...): Use VIMCO to lower the variance of gradient[csiszar_function(Avg(logu))].
dual_csiszar_function(...): Calculates the dual Csiszar-function in log-space.
jeffreys(...): The Jeffreys Csiszar-function in log-space.
jensen_shannon(...): The Jensen-Shannon Csiszar-function in log-space.
kl_forward(...): The forward Kullback-Leibler Csiszar-function in log-space.
kl_reverse(...): The reverse Kullback-Leibler Csiszar-function in log-space.
log1p_abs(...): The log1p-abs Csiszar-function in log-space.
modified_gan(...): The Modified-GAN Csiszar-function in log-space.
monte_carlo_csiszar_f_divergence(...): Monte-Carlo approximation of the Csiszar f-Divergence.
pearson(...) : The Pearson Csiszar-function in log-space.
squared_hellinger(...): The Squared-Hellinger Csiszar-function in log-space.
symmetrized_csiszar_function(...): Symmetrizes a Csiszar-function in log-space.
t_power(...): The T-Power Csiszar-function in log-space.
total_variation(...): The Total Variation Csiszar-function in log-space.
triangular(...): The Triangular Csiszar-function in log-space.
```

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