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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