

tf.contrib.kfac.fisher_factors.DiagonalFactor

Contents

Class DiagonalFactor

Methods

`__init__``get_cov``instantiate_covariance``make_covariance_update_op``make_inverse_update_ops`Class **DiagonalFactor**Inherits From: [FisherFactor](#)Defined in [tensorflow/contrib/kfac/python/ops/fisher_factors.py](#).

A base class for FisherFactors that use diagonal approximations.

Methods

`__init__``__init__()`**`get_cov`**`get_cov()`**`instantiate_covariance`**`instantiate_covariance()`Instantiates the covariance Variable as the instance member `_cov`.**`make_covariance_update_op`**`make_covariance_update_op(ema_decay)`

Constructs and returns the covariance update Op.

Args:

- `ema_decay`: The exponential moving average decay (float or Tensor).

Returns:

An Op for updating the covariance Variable referenced by _cov.

make_inverse_update_ops

```
make_inverse_update_ops()
```

Create and return update ops corresponding to registered computations.

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