tf.contrib.kfac.fisher_factors.DiagonalFactor

Contents

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.

Last updated November 2, 2017.