

tf.contrib.kfac.fisher_factors.FullyConnectedDiagonalFactor

Contents

Class `FullyConnectedDiagonalFactor`

Methods

`__init__`

`get_cov`

`instantiate_covariance`

`make_covariance_update_op`

`make_inverse_update_ops`

Class `FullyConnectedDiagonalFactor`

Inherits From: [DiagonalFactor](#)

Defined in [tensorflow/contrib/kfac/python/ops/fisher_factors.py](#).

FisherFactor for a diagonal approx of a fully-connected layer's Fisher.

Methods

`__init__`

```
__init__(
    inputs,
    outputs_grads,
    has_bias=False
)
```

`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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Last updated November 2, 2017.

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