

tf.contrib.kfac.fisher_factors.FisherFactor

Contents

Class FisherFactor

Methods

`__init__``get_cov``instantiate_covariance``make_covariance_update_op``make_inverse_update_ops`Class **FisherFactor**

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

Base class for objects modeling factors of approximate Fisher blocks.

Note that for blocks that aren't based on approximations, a 'factor' can be the entire block itself, as is the case for the diagonal and full representations.

Subclasses must implement the `_compute_new_cov` method, and the `_var_scope` and `_cov_shape` properties.

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.

Except as otherwise noted, the content of this page is licensed under the [Creative Commons Attribution 3.0 License](#), and code samples are licensed under the [Apache 2.0 License](#). For details, see our [Site Policies](#). Java is a registered trademark of Oracle and/or its affiliates.

Last updated November 2, 2017.

Stay Connected

[Blog](#)

[GitHub](#)

[Twitter](#)

Support

[Issue Tracker](#)

[Release Notes](#)

[Stack Overflow](#)

English

[Terms](#) | [Privacy](#)