

tf.nn.normalize_moments

```
normalize_moments(  
    counts,  
    mean_ss,  
    variance_ss,  
    shift,  
    name=None  
)
```

Defined in [tensorflow/python/ops/nn_impl.py](#).

See the guide: [Neural Network > Normalization](#)

Calculate the mean and variance of based on the sufficient statistics.

Args:

- `counts`: A **Tensor** containing a the total count of the data (one value).
- `mean_ss`: A **Tensor** containing the mean sufficient statistics: the (possibly shifted) sum of the elements to average over.
- `variance_ss`: A **Tensor** containing the variance sufficient statistics: the (possibly shifted) squared sum of the data to compute the variance over.
- `shift`: A **Tensor** containing the value by which the data is shifted for numerical stability, or **None** if no shift was performed.
- `name`: Name used to scope the operations that compute the moments.

Returns:

Two **Tensor** objects: `mean` and `variance`.

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](#)

English

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