

## tf.keras.backend.var

```
var(  
    x,  
    axis=None,  
    keepdims=False  
)
```

Defined in [tensorflow/python/keras/\\_impl/keras/backend.py](#).

Variance of a tensor, alongside the specified axis.

## Arguments:

- `x`: A tensor or variable.
- `axis`: An integer, the axis to compute the variance.
- `keepdims`: A boolean, whether to keep the dimensions or not. If `keepdims` is `False`, the rank of the tensor is reduced by 1. If `keepdims` is `True`, the reduced dimension is retained with length 1.

## Returns:

A tensor with the variance of elements of `x`.

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