

## tf.keras.backend.dropout

```
dropout(  
    x,  
    level,  
    noise_shape=None,  
    seed=None  
)
```

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

Sets entries in `x` to zero at random, while scaling the entire tensor.

## Arguments:

- `x`: tensor
- `level`: fraction of the entries in the tensor that will be set to 0.
- `noise_shape`: shape for randomly generated keep/drop flags, must be broadcastable to the shape of `x`
- `seed`: random seed to ensure determinism.

## Returns:

A tensor.

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