

tf.truncated_normal

```
truncated_normal(  
    shape,  
    mean=0.0,  
    stddev=1.0,  
    dtype=tf.float32,  
    seed=None,  
    name=None  
)
```

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

See the guide: [Constants, Sequences, and Random Values > Random Tensors](#)

Outputs random values from a truncated normal distribution.

The generated values follow a normal distribution with specified mean and standard deviation, except that values whose magnitude is more than 2 standard deviations from the mean are dropped and re-picked.

Args:

- **shape** : A 1-D integer Tensor or Python array. The shape of the output tensor.
- **mean** : A 0-D Tensor or Python value of type **dtype**. The mean of the truncated normal distribution.
- **stddev** : A 0-D Tensor or Python value of type **dtype**. The standard deviation of the truncated normal distribution.
- **dtype** : The type of the output.
- **seed** : A Python integer. Used to create a random seed for the distribution. See [tf.set_random_seed](#) for behavior.
- **name** : A name for the operation (optional).

Returns:

A tensor of the specified shape filled with random truncated normal values.

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