

## tf.keras.backend.random\_normal\_variable

```
random_normal_variable(  
    shape,  
    mean,  
    scale,  
    dtype=None,  
    name=None,  
    seed=None  
)
```

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

Instantiates a variable with values drawn from a normal distribution.

### Arguments:

- **shape** : Tuple of integers, shape of returned Keras variable.
- **mean** : Float, mean of the normal distribution.
- **scale** : Float, standard deviation of the normal distribution.
- **dtype** : String, dtype of returned Keras variable.
- **name** : String, name of returned Keras variable.
- **seed** : Integer, random seed.

### Returns:

A Keras variable, filled with drawn samples.

### Example:

```
# TensorFlow example  
>>> kvar = K.random_normal_variable((2,3), 0, 1)  
>>> kvar  
<tensorflow.python.ops.variables.Variable object at 0x10ab12dd0>  
>>> K.eval(kvar)  
array([[ 1.19591331,  0.68685907, -0.63814116],  
       [ 0.92629528,  0.28055015,  1.70484698]], dtype=float32)
```

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