#### TopogrElow

TensorFlow API r1.4

### tf.keras.constraints.MaxNorm

```
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### Class MaxNorm

Inherits From: Constraint

#### Aliases:

- Class tf.keras.constraints.MaxNorm
- Class tf.keras.constraints.max\_norm

Defined in tensorflow/python/keras/\_impl/keras/constraints.py.

MaxNorm weight constraint.

Constrains the weights incident to each hidden unit to have a norm less than or equal to a desired value.

#### Arguments:

- m: the maximum norm for the incoming weights.
- axis: integer, axis along which to calculate weight norms. For instance, in a Dense layer the weight matrix has shape (input\_dim, output\_dim), set axis to 0 to constrain each weight vector of length (input\_dim,). In a Conv2D layer with data\_format="channels\_last", the weight tensor has shape (rows, cols, input\_depth, output\_depth), set axis to [0, 1, 2] to constrain the weights of each filter tensor of size (rows, cols, input\_depth).

References: - Dropout: A Simple Way to Prevent Neural Networks from Overfitting Srivastava, Hinton, et al. 2014

## Methods

### \_\_init\_\_

```
__init__(
    max_value=2,
    axis=0
)
```

```
__call__
```

\_\_call\_\_(w)

# get\_config

get\_config()

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