

tf.contrib.layers.l1_regularizer

```
l1_regularizer(  
    scale,  
    scope=None  
)
```

Defined in [tensorflow/contrib/layers/python/layers/regularizers.py](#).

See the guide: [Layers \(contrib\) > Regularizers](#)

Returns a function that can be used to apply L1 regularization to weights.

L1 regularization encourages sparsity.

Args:

- **scale** : A scalar multiplier **Tensor**. 0.0 disables the regularizer.
- **scope** : An optional scope name.

Returns:

A function with signature **l1(weights)** that apply L1 regularization.

Raises:

- **ValueError** : If scale is negative or if scale is not a float.

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