tf.losses.hinge_loss

```
hinge_loss(
    labels,
    logits,
    weights=1.0,
    scope=None,
    loss_collection=tf.GraphKeys.LOSSES,
    reduction=Reduction.SUM_BY_NONZERO_WEIGHTS
)
```

Defined in **tensorflow/python/ops/losses/losses_impl.py** .

Adds a hinge loss to the training procedure.

Args:

- `labels` : The ground truth output tensor. Its shape should match the shape of logits. The values of the tensor are expected to be 0.0 or 1.0.
- `logits` : The logits, a float tensor.
- `weights` : Optional `Tensor` whose rank is either 0, or the same rank as `labels` , and must be broadcastable to `labels` (i.e., all dimensions must be either `1` , or the same as the corresponding `losses` dimension).
- `scope` : The scope for the operations performed in computing the loss.
- `loss_collection` : collection to which the loss will be added.
- `reduction` : Type of reduction to apply to loss.

Returns:

Weighted loss float `Tensor` . If `reduction` is `NONE` , this has the same shape as `labels` ; otherwise, it is scalar.

Raises:

- `ValueError` : If the shapes of `logits` and `labels` don't match or if `labels` or `logits` is None.

Support

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Release Notes

Stack Overflow

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