

tf.contrib.metrics.streaming_true_negatives

```
streaming_true_negatives(  
    predictions,  
    labels,  
    weights=None,  
    metrics_collections=None,  
    updates_collections=None,  
    name=None  
)
```

Defined in [tensorflow/contrib/metrics/python/ops/metric_ops.py](#).

See the guide: [Metrics \(contrib\)](#) > [Metric Ops](#)

Sum the weights of true_negatives.

If `weights` is `None`, weights default to 1. Use weights of 0 to mask values.

Args:

- `predictions`: The predicted values, a `Tensor` of arbitrary dimensions. Will be cast to `bool`.
- `labels`: The ground truth values, a `Tensor` whose dimensions must match `predictions`. Will be cast to `bool`.
- `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 `labels` dimension).
- `metrics_collections`: An optional list of collections that the metric value variable should be added to.
- `updates_collections`: An optional list of collections that the metric update ops should be added to.
- `name`: An optional variable_scope name.

Returns:

- `value_tensor`: A `Tensor` representing the current value of the metric.
- `update_op`: An operation that accumulates the error from a batch of data.

Raises:

- `ValueError`: If `predictions` and `labels` have mismatched shapes, or if `weights` is not `None` and its shape doesn't match `predictions`, or if either `metrics_collections` or `updates_collections` are not a list or tuple.

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