## TancarFlow

TensorFlow API r1.4

Module: tf.metrics

Contents Functions

Defined in tensorflow/python/ops/metrics.py.

Evaluation-related metrics.

## **Functions**

```
accuracy(...): Calculates how often predictions matches labels.
auc(...): Computes the approximate AUC via a Riemann sum.
false_negatives(...): Computes the total number of false negatives.
false_negatives_at_thresholds(...): Computes false negatives at provided threshold values.
false_positives(...): Sum the weights of false positives.
false_positives_at_thresholds(...): Computes false positives at provided threshold values.
mean(...): Computes the (weighted) mean of the given values.
mean_absolute_error(...): Computes the mean absolute error between the labels and predictions.
mean_cosine_distance(...): Computes the cosine distance between the labels and predictions.
mean_iou(...): Calculate per-step mean Intersection-Over-Union (mIOU).
mean_per_class_accuracy(...): Calculates the mean of the per-class accuracies.
mean_relative_error(...): Computes the mean relative error by normalizing with the given values.
mean_squared_error(...): Computes the mean squared error between the labels and predictions.
mean_tensor(...): Computes the element-wise (weighted) mean of the given tensors.
percentage_below(...): Computes the percentage of values less than the given threshold.
precision(...): Computes the precision of the predictions with respect to the labels.
precision_at_thresholds(...): Computes precision values for different thresholds on predictions.
recall(...): Computes the recall of the predictions with respect to the labels.
recall_at_k(...): Computes recall@k of the predictions with respect to sparse labels.
recall_at_thresholds(...): Computes various recall values for different thresholds on predictions.
root_mean_squared_error(...): Computes the root mean squared error between the labels and predictions.
sensitivity_at_specificity(...): Computes the specificity at a given sensitivity.
```

sparse\_average\_precision\_at\_k(...): Computes average precision@k of predictions with respect to sparse labels.
sparse\_precision\_at\_k(...): Computes precision@k of the predictions with respect to sparse labels.
specificity\_at\_sensitivity(...): Computes the specificity at a given sensitivity.
true\_negatives\_at\_thresholds(...): Computes true negatives at provided threshold values.
true\_positives(...): Sum the weights of true\_positives.
true\_positives\_at\_thresholds(...): Computes true positives at provided threshold values.

Except as otherwise noted, the content of this page is licensed under the Creative Commons Attribution 3.0 License, and code samples are licensed under the Apache 2.0 License. For details, see our Site Policies. Java is a registered trademark of Oracle and/or its affiliates.

Last updated November 2, 2017.

