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cosine_distances

Module: `sklearn.metrics` **Type:** function

Source: `sklearn/metrics/pairwise.py:1134`

Signature

```
```python
cosine_distances(X, Y=...)
```
```

Description

Compute cosine distance between samples in X and Y.

Cosine distance is defined as 1.0 minus the cosine similarity.

Parameters:

X : {array-like, sparse matrix} of shape (n_samples_X, n_features)

Y : {array-like, sparse matrix} of shape (n_samples_Y, n_features), default=None

Returns

distances : ndarray of shape (n_samples_X, n_samples_Y)

Returns the cosine distance between samples in X and Y.