Metrics

This module contains multiple functional distances and norms.

Lp Spaces

The following functions computes the norms and distances used in Lp spaces.

`skfda.misc.metrics.norm_lp`(fdatagrid[, p, p2])	Calculate the norm of all the samples in a FData
`skfda.misc.metrics.lp_distance`(fdata1, fdata2)	Lp distance for FDataGrid objects.

Elastic distances

The following functions implements multiple distances used in the elastic analysis and registration of functional data.

`skfda.misc.metrics.fisher_rao_distance`(...)	Compute the Fisher-Rao distance btween two fu
`skfda.misc.metrics.amplitude_distance`(...[, ...])	Compute the amplitude distance between two fu
`skfda.misc.metrics.phase_distance`(fdata1, ...)	Compute the amplitude distance btween two fur
`skfda.misc.metrics.warping_distance`(...[, ...])	Compute the distance between warpings functio

Utils

`skfda.misc.metrics.vectorial_norm`(fdatagrid)	Apply a vectorial norm to a multivariate functi
`skfda.misc.metrics.distance_from_norm`(norm, ...)	Returns the distance induced by a norm.
`skfda.misc.metrics.pairwise_distance`(...)	Return pairwise distance for FDataGrid objects