Emulator

The following functions are contained in the `twinlab.Emulator` class.

Constructor

`Emulator`(id)	A trainable twinLab emulator.

Setting-up

`Emulator.design`(priors, num_points[, ...])	Generate an initial design space for an emulator.

Train

`Emulator.train`(dataset, inputs, outputs[, ...])	Train an emulator on the twinLab cloud.
`Emulator.status`(process_id[, verbose])	Check the status of a training process on the twinLab cloud.
`Emulator.view`([verbose])	View an emulator that exists on the twinLab cloud.
`Emulator.view_train_data`([verbose])	View training data with which the emulator was trained in the twinLab cloud.
`Emulator.view_test_data`([verbose])	View test data on which the emulator was tested in the twinLab cloud.

Explore

`Emulator.summarise`([verbose])	Get a summary of a trained emulator on the twinLab cloud.

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`Emulator.score`([params, verbose])	Score the performance of a trained emulator.
`Emulator.benchmark`([params, verbose])	Benchmark the performance of a trained emulator with a calibration curve.

Predict

`Emulator.predict`(df[, params, wait, verbose])	Make predictions using a trained emulator that exists on the twinLab cloud.
`Emulator.sample`(df, num_samples[, params, ...])	Draw samples from a trained emulator that exists on the twinLab cloud.

Plot

`Emulator.plot`(x_axis, y_axis[, x_fixed, ...])	Plot the predictions from an emulator across a single dimension with one and two standard deviation bands.
`Emulator.heatmap`(x1_axis, x2_axis, y_axis[, ...])	Plot a heatmap of the predictions from an emulator across two dimensions.

Improve

`Emulator.recommend`(num_points, acq_func[, ...])	Draw new recommended data points from a trained emulator that exists on the twinLab cloud.
`Emulator.learn`(dataset, inputs, outputs, ...)	Perform active learning to improve an emulator on the twinLab cloud.
`Emulator.calibrate`(df_obs, df_std[, params, ...])	Solve an inverse problem using a trained emulator on the twinLab cloud.

Delete

`Emulator.delete`([verbose])	Delete emulator from the twinLab cloud.

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