twinlab.RecommendParams

class **twinlab.RecommendParams**(*weights=None*, *num_restarts=5*, *raw_samples=128*, *bounds=None*, *seed=None*)

Parameter configuration for recommending new points to sample using the Bayesian-optimisation routine.

Variables:

- **weights** (*Union[list[float], None], optional*) – A list of weighting values that are used to scalarise the objective function in the case of a multi-output model. The default value is `None`, which applies equal weight to each output dimension.
- **num_restarts** (*int, optional*) – The number of random restarts for optimisation. The default value is `5`.
- **raw_samples** (*int, optional*) – The number of samples for initialization. The default value is `128`.
- **bounds** (*Union[Tuple, None], optional*) – The bounds of the input space. If this is set to *None* then the bounds are inferred from the range of the training data. Otherwise, this must be a dictionary mapping column names to a tuple of lower and upper bounds. For example, `{"x0": (0, 1), "x1": (0, 2)}` to set boundaries on two input variables `x0` and `x1`.
- **seed** (*Union[int, None], optional*) – Specifies the seed used by the random number generator to start the optimiser to discover the recommendations. Setting this to an integer is good for reproducibility. The default value is `None`, which means the seed is randomly generated each time.

__init__(*weights=None*, *num_restarts=5*, *raw_samples=128*, *bounds=None*, *seed=None*)

Methods

`__init__`([weights, num_restarts, ...])	
`unpack_parameters`()	

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