Optimization

problem
MaxIter
generalizer
x_new
y_new
con_new

LatinHyperSamples singleoptimization multioptimization constrainted optimization

Problem

input dimension numofObj numofCon lowbound upbound check_input() evaluation()

Generalizer

dim_limits
samples_x
sample_y
sample_constraint
surrogate
incorporate_new_sample()
get_next_sample_location()

CAND

surrogate
sample_X
sample_Y
samples_con
candidate_sample_X
weight

Minimize_Merit()
Minimize_Merit_MO()
Minimize_Merit_MO_CON()

ClimateModel

parameters
evaluationVariable
ModelPath
ObservationPath
run_model()

NNRegression

get metrics()

learningtrate
hiddenlayersize
hiddenlayers
activation function
dimension
NumberOfOutput

init()
fit()
predict()