	PAGE:
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	Logistic rogsession
	100 10 mm 1 mm 1 mm 1 mm 1 mm 1 mm 1 mm
	I mushu as mo
	import numpy as mp
	class Logistic Reservoire of the Color of the biologistic Color of the
	det init. (self learning val = 0.01, hum iteration= 1000):
	self learning-rate = learning-rate
	self. num-itexations= num jterations
	ref. weight = None
	ley. blat = None
	des signoid (set, z):
	90 fur 1/ (1 + np. exp(-2))
	des lif(self x y):
	n samples, n-foatures - X. Shape
	self. weights: np. zeros(n_features)
	sell bias = 0
	for in range (sey, num i terations):
	linear model= np. det (x, self- Deight) + self-bias
	u pendicte d= 1.11. sianno d( Great - model) de=
	dw = CI(N_samples) *
	rip. dot (x.T, (xpredicted - y))
124 <u>.</u>	db = (1/n samples) * up. hum (
	y-predicted-y)
	self. weights -= self. lear mag-rate * dw
	self. bias = saplaring-rate + db
	de predict (rely, x): linear_model = np.dot (x, dely. weight) + rely. bias
	linear_model = np. aor (1) mg (a)
-	4-predicted: Lett. signoid (linear-model)
	y-predicted_cli = [2 4 i> 0.5 ele 0 for in  g-predicted)
	J- par (y prodúctol cho)
	return up. array (y. predicted cls)
	ij name === " _ main' - ":
A Section	V
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