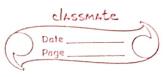
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425	
	Conjusion Matrix Code
	- Paris - Manieur (10 Flatum name 17)
	classes = np. unique (df ['Column-name]) matri n = np. zeroes (len (classes), les (classes))
	1 in the strong (len (class), xes
	for i in range (len(clases)):
	for jui range (len (classes))
	for j' in range (len (classes)); matrix [i,j] = np. sum ((actual == classes[i])
	(producted == classed;)
	FF = motrix sum(qxis=0) - np.diag(matrix)
	FN = matrix · sum (axis = 1) - np · diag (matrix)
	TP = np. diag (matrix)
	IN= "marrix. sum() - (FP+FN+TP) 11
	TPR = TP/TP+FN:
	TNR = TN/TN+FP
	FPR = FP / FP+ TN
•	FNR= FN/TP+FN
	Accuracy = (P+TN)
	(TP+TN+FP+FN.)
	FL side = 2 x PRecision x Recall
	brecision + Recall
	(t) Irecision = TP (-) Irecision = TN
	TP+ PP TN+FN
	(+) Recall = TP (-) Recall = TN
	TP + FN TW + FP.
	FIB = (1+B2) x prec x recall.
	FIB = $(1+\beta^2) \times prec \times recall$. $(\beta^2 * prec) + recall$.

	Classmate Date Page
	Normalize
	Min-Max formula
	df ['Column'] = [df ['Column'] - df ['Column'] · min() ay ['Column'] · max () - df ['Column'] · min()
	Africad max - rouging
	PCA
	features = ds.T (Transpose)
Y	Cov_matrix = np. Cov (features) [Covariance] Matrix Value : as for = no. 1:
	Values, vectors = np. linealg. eig (Cov_matrix)
	Calculate variance = []
	lor i in range (len(values)): Variance, append (values [i]/np.sum (values))
	pcl = ds. dot (vectors. T[0]) pcl
	pC2= ds. dot (vectors ·T[i])
	pc2



	Evaluation Parameters	
	meaniquare sa viros (MSE) n (predicted -actual)
		That are
() ·		76,
	goot man equare (RMSE)	- MSE.
	good real square (river)	7/
		near.
	Mean Assolute Error = 1	$\sum_{i} \left(x - \chi_{i} \right)$
	Mean Associa 2002	<u> </u>
	Correlation.	7
	$-\frac{1}{2}$	cheal'
	y - pred > ds['p	redicted!
,	correlation = y-	true corr [y-pred]
	V San	
	R ² score)
	$R^2 = Correlation$	
	& Inbuilt	metrics import 22-score. (y-true, y-pred)
	Trom. sklearn.	(1 true y-pred)
	22 = 22 - 8core	y-1122/ 0 1
	22.	