	Date Page
	Size = n-Sample. replace = True
	return x [indexs], y [indexs]
	dej-get-mar-features (self , 2- Interes)
	July self roax - Jeatures == 564!
	return int (sp. sant (n-leatures))
	ely is in stances (self, ma bodures, int):
	roturn self mac- Herdine
	det fit Csey (x, g):
	Sey Pree = 47
	n= foodwes = x. Shape(.)
	mar- Jeature = self. get-mar-features
A=	> K=Theors Algorithm:-
_	
01	Initialize untroids:
	Rondomly choose k data pointer from x
	as initial cluster controids:
	11, 113, 11k.
02	Repeat until Conungance.
<u> </u>	Report each data point to the nearest
	contraid Forench point is, find the closet
	centraid uj based on distable
	10: - 1 5 2:
	$U_{i} = \frac{1}{ C_{i} } \sum_{\alpha \in C_{i}} \alpha_{i}$
	A Color March 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
03	check for convergence
	"(double assingments don't change "(double don't known significantly, the stop
	" (Inhards don't know significantly the stop
	The state of the s
	sebre Prihnald of
STREET, STREET	

	Date/ Page
3	select the top i.e eign vectors
6	Project the data onto new spare
	Output the transformed data
曲	code
	data = load = isis ()
	pca = Pca (n-components = 2) x-pca = Pca, fit dransform(x)
	x-pca-ta, fit dransforms )
	xPra=ra, jit transform(x) pt. Scatter (x-Pra P; D), x-pra:) (zdata, target)
	point (1 Explained vonance by each correspond: (3)
	component: (3).