

	Application of SUD  Page  Date  Page
	Moore Penrose Pseudo inverse
	can be useful feature of sub is that it can be used to generalize matrix inversion to non square matrices
	can be used to generalize matrix inversion
	to non square matrices
	A=UEVT
	$A^{-1} = (U \leq V^T)^{-1}$
	H = (080)
_	= (VT) -1 E -1 U-1
	$\int (U \circ U)^{-1} = V^{-1} U^{-1} U^{-$
	u and v are orthogonal
	$U \cdot U^{T} = I \rightarrow U^{T} = U^{-1}$
	:. V.VT=I -> VT=V-1 Eth us diagonal matrix: &=[10]
	E" no diagonal matrix. &=[10]
	A-1 = V Z-1 UT
	[ CO Y20]
6	
0	PCA - dimension reduction.
/	
-	