Week 3 - Friday Thursday, February 11, 2021	5:29 PM
marsday, residury 11, 2021	
	A 54 00 51/D
	A 51+ on SVD - Singular Value decomposition
	Applications: & Least-Squares Pitting
) the same of
	Principle Component analysis
	Principle Component analysis Statistical modeling, methods
	Last time: o solving A x = to Lu-decomposition Matrix imersion Tridiagonal/banded systems & (Lab)
	Last time: o solving A x = to / Lu-decomposition
	(Matrix inversion
	Tridiagonal/bunded Fystens &
	(Lab)
	A X = 0 => null space spaned by null westers
	U5. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	row space a spared by eigenverors
	· Looked @ exerdecompositions Cols are eigenvenors
	$A = PDP^{-1}$
	a lucust la la constant
	can only must braggeral are exercatives
	Con only (nurt / Dagonal are exercalizes A, F not Engular S [No O eighnals.] A' = (PDP) - = PD' P'
5	VI very analogous to ergenval decomp. 15 complex T - conj. t
	$(o, s, 1)$ $UU^{T} = I = U^{T}U$
	Not need to be II.
A 14 MXN	
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