	Private de la constant de la constan
2	(1) Part 1 discussed in class
	1. (HG/G)
	minimize $J(A_r) = A - A_F _F^2$
	given Aman g(A)>r
	Ar is a rank r matrix
	r < min (m,n)
	Find SVD of A JMAA + FARM A +
	A = U \(\subseteq \subset
	Amen associated in the state of
-	Vnxn. Umxm: Orthogonal Matrix
	I : mxn diagonal entries whose entries are non-negative (Singular Values)
	(alumns of U & V are called left singular and right singular to M.
	Consider the r largest singular values & corresponding singular vectors
	The family was a first of the party of the same of the
	Ar = Ur Sr Vr sol"
	A rank-k approximation to the covariance matrix is used in PCA
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