



Scanned by CamScanner

-	G-62 is essentially the difference in the most important
+	Tour Colin
+	dominant, if of \$100, then both featured they re already the top ones) have almost equal importance.
-	already the top ones) have almost sound in the
-	o equal importance -
_	
	Consider any vector $\overrightarrow{V} \in \mathbb{R}^d$
7	Consider athe subspace spanned by columns space of as matrix = Gubspace spanned by the U in
	as hospite = Subspace mounted to the 11 in
_	the SVD of A.
	Suppose A had rank r;
	consider the following SVD
	A = U & V , where each vector
	A = U \( \sqrt{\sqrt{\text{uiy}}} \) is a linearly independent
	$\overline{\mathcal{I}}$
	the projection of the state of
	The projection of $\vec{v}$ is,
	The UIT VER
	1 1 the projection which is
_	We ned the projection vectors which is,  (UiTV) Ui or,
_	(le'V) le
_	$\vec{\mathcal{U}}_i\left(\vec{\mathcal{U}}_i \top \vec{\mathcal{T}}\right)$ .
	For all lie se take to compute projection onto the subspace spanned by $\overrightarrow{u_i}$ .
_	tor all lipse take to compute project
_	Subspace spanned by 4
_	
_	=> UUTP is the projection making.
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