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 nonlinear structure 	rture may l	ne missed		moments
 linear combina 	ation of val	iables may n	ot be meaning	oful especially if the mon
variables do no	t represent	comparable	quantities	Stat espectanty in the most
• outliers may d	istort the re	esults 🚿	0	* >
diata matrix	dim		cov matrix	sum of variance explained
X _{nxp} (•, X ₁ , X ₂ , X ₃) P	=747	$\nabla \Lambda \nabla'$	$\hat{\chi}_{1}^{2} + \cdots + \hat{\chi}_{p}^{2}$
XK (X, X, X,	(3) K	=UBLKV	VAKV'	λ_1^2 λ_2^2 λ_k^2
Y (•,ê,ês,ê	3) P	=777	Λ	$\lambda_1^2 \cdots + \lambda_p^2$
\bigvee_{k}^{*} (x, $\hat{e}_{i}, \hat{e}_{s}, \hat{e}_{s}$	Ê3) K	=TLk	Ar	λ_{1}^{2} λ_{2}^{2}
Nxp V (A ê. ê.		[T]		A2 A2
		=04×10	AK	$\lambda_1 + \cdots + \lambda_k$
o l	i			