1	
	standardize the Cov matrix
#	(Normalize the data)
1	Computing the Cov matrix
	relation b/w 2 features (totally diff)
-	on the standardized fit transform for.
1	
	For how many features we want to consider
3.	E-values & vectors now much var is explained along a vector.
	calculate using n (nxn) matrix
	How well are the datasets are related along the line.
	find PC's (like s) multiply with Y; to effectively reduce dim.
	how to take a diff transform such that it leads
	to different subspace.
A control of	we need to find a transformation
	regression: squares are min
	classification:
10	Direction along highest & lowest variance.
	1st E. vector -> Dir of highest variance.
-	
	compute con matrix for all features
_	complative var: Ex: 30 vectors/components
	It we take all 30 Pc's soriginal -
	max Var: 100 %
-	If we truncate some components
	=) Ex 15 vectors that can explain the original
/	
	Impung we don't need to consider other 15 yectors



	Page
5.	The state of the s
	Y-> Eigen vectors
	Take all the feature labels
	in 8D;
	Later to the second sec
	all the vectors get multiplied get decomposed along
	a line.
	dot product along x direction
	and the second of the second o
- State of the sta	Bex: Take 100% Vay
	we have a vector along (1,2) to be decomposed
	into 2 ve ctors.
	(2) 2 [1,0] + 2 [0,1]
	Basis vectors for transformation
	is same as PC components multiplied with sel
	designed to the product of the second
	defined subspace with basis vectors
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