					1
PCA OR	Princ	cipal	Compo	nert Analys	si.
or Dimensiona	lit. Do	Justian	2	'	
D couse of	dimen	sional	èty		
> Dataset -	500 f	eatuse	S		
3 Feature	Gfeatur	15	- Feature	50 featur	<u> </u>
MLI	ML ₂		ML ₂	MI	
Acc 11	ACC 21			> Acc41	
100 Feature		soo fee	atur		

2) model performance — It will degrade

ACC 61

model is

overfeeda.

price of house - 1	No. 87 Belson
	No of washrorm
	Area of flat
	FIRE of how
	chool near
	rossery shope new
•	sho is neabours
	shat is the wall color
	s any fruit shop near.
	istance from City Centa.

Two diff. way of remove cuse of dimesomally

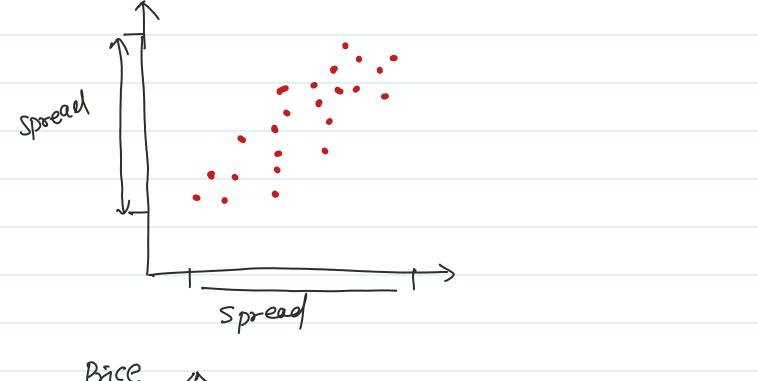
Dimensionality
scaling Reduction (PCA)
Standarization
B normalization

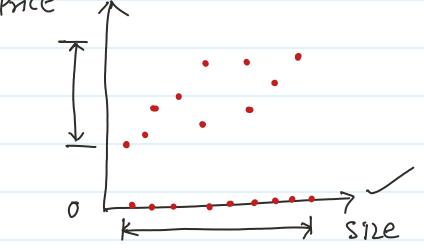
Algorithms

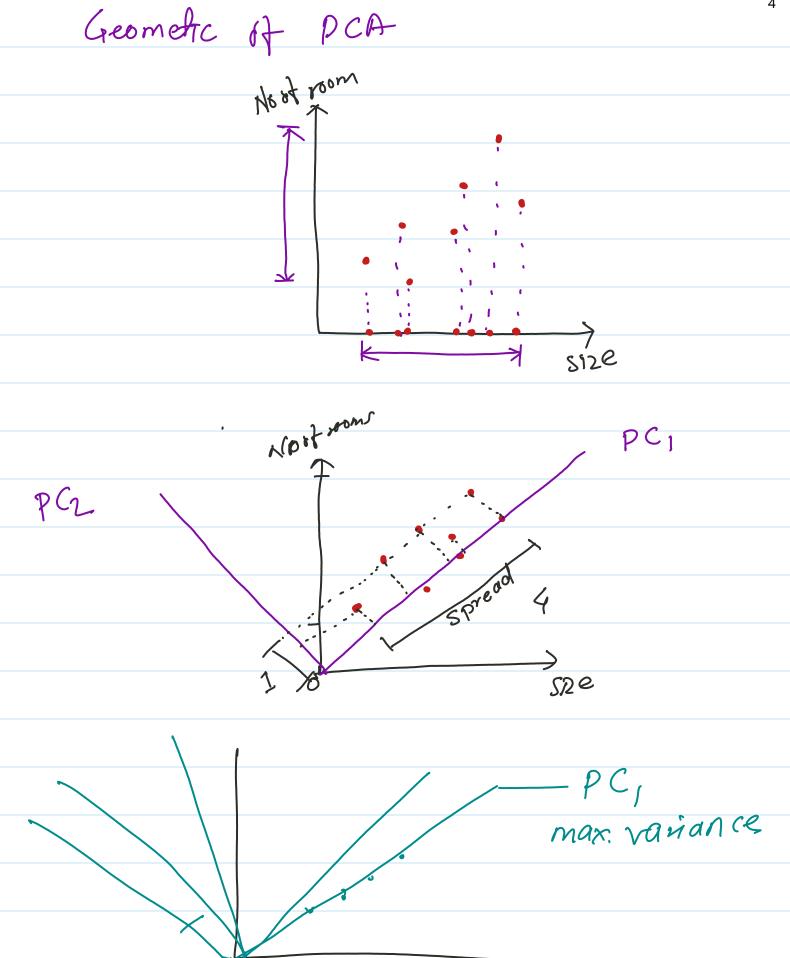
Benifit of PCA

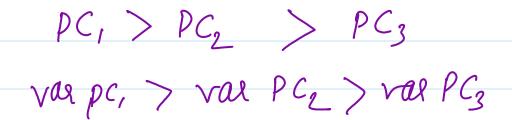
- 1) prevent coase of dimensionality
- 2) Improve the performance of model
- 3 Visualization the data

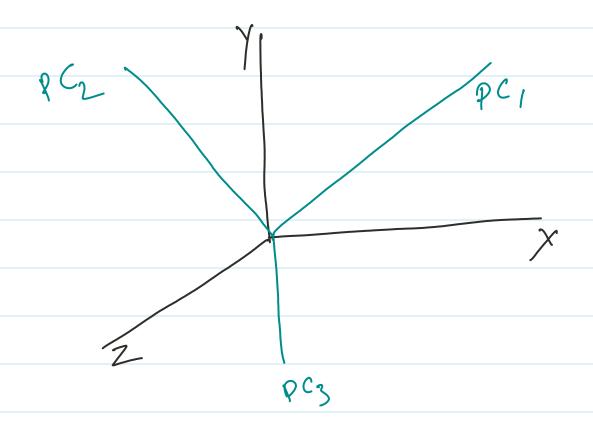
 $3d \rightarrow 2d$

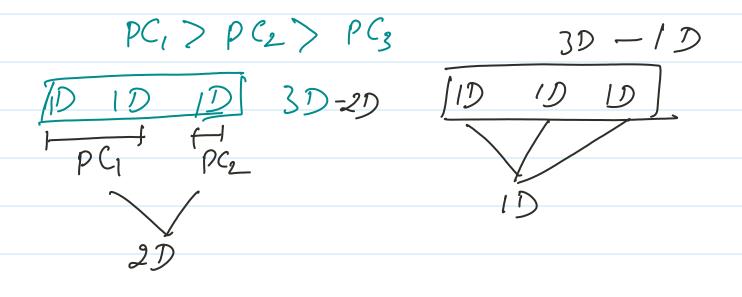












	Eigen	value	and	Eigen 1	rector
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$$A. V = \lambda. V$$