## Week 9

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くていると シャラシフリカラ ユアト	
1. PCA tets	3. Factor Analysis
(1) Kernel PCA	
	Simple linear generative model
temal (19 -) Mon-linear 1494	w/ Ganssian latent valiables
denoising, compression, structured prediction	
5- 7 7	
(2) Incremental PCA	4. t-SNE
input data size ~ depending.	
PLAZZ G1 memory efficient.	• t-distributed Stochastic Neighbor Embadding
	- ILLA GIOTEL EHAN (1854) HEEN SIE \$47/40
Partial computation 745	- multi-dimensional data - 200 more dimension
(2) CC- D(A	
(3) Sparse PCA	(52 271 201317111.)
MOBILE MECONSTRUCT SEA O Sporse Componers 45.	- probability distribution
amount of spaiseness = tunalle parameter	w/ tandom walk on neighborhood groph
	-1 data 72 43
(4) Mini Butch Sparse PCA	7 0876 72-20
(3)= mini back upg 74th. faster/1/2864	- 명인트뉴 발아 lower-dimensional space 이
	2 305 = UEILUE 2= 98
2. ICA	2-d plane Antein Gotti!
(Independent Component Analysis)	5. UMAP
. multivatione features dutaset	J. UMIAIT
-) hwimally independent SUM	· Uniform Manifold Approximation & Projection
	一 时间的 社会新期
addictive subcomponents ? User.	
一地独立们人格X	- t- SNE YEL 6413.
	-1 large dutaset 4012-711,
Individual components 3 Separting.	Sparse metric dota on 224
	_ AND GIOLEN -) embed Timmed stelly 745