Assessing Algorithm Success Thursday, July 20, 2017 3:33 PM It we run this clustering algorifham using labeled date, we can assess Uthe performance of our label propagation Suppose We have 20 images: 4-12, an 5. Melanie G - Katie 5 - Johnny Our algorithm should predict LI clusters. Ve can also measure some pairwise métrics to see how we are doing. Most of the Ryan-nodes were given the same label (3). This is what we want! unfortunately, one Ryan-node was given a label-z, which is associated with a Melanie cluster. How can we defect these errors? We will use pairwise metrics · tally if: labels match + truth match: LT

	labels match + trath disagree LT labels disagree + truth match LT for a pair of nodes • Loop through all pairs of nodes in your laraph and continue tallying these up					
	in t.	llying H	graph av	d continue		
	pairwise precision			high precision;	conservative elustering aggressive Ulelustering	
	pairwise.	(LT)+(L	T)	high recall:	inclusive clusters	
				low vocall:	dispersive clasters	