Date

42 Hz lab 4

t-SNE -> unsupervised non-linear technique How does t-SNE work? - calculates a similarity measure between pairs of instances in high-d & m low-d space. - It then tries to optimize these two similarity measures using a cost function. - Swdent tail -> wider variance. 1 Assume point scattered in space was 2) Pick a random 3 centre a normal distribution 9 arad descent 3 find prob for other points close to chosen point And corresponding y-axis values 6 make sure they all add to 1 (: unscaled) Normalization. @ matrix : each row represents similarity @ Take t-disty" with I deg of freedom. (in y-axis) Goal: Optimize the dist b/w then. KL cost function: calc loss b/w the two matrices sk-learn 1. In components 2. perplexity 3. n_iter 4. method -> Barne's hut 0 (neugn)

