



· Crowding problem

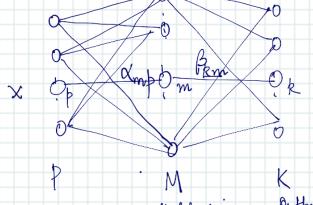
- Student t-distributed SNE (t-SNE): Two modifications to the original SNE formulation to address the challenges odentified above.
 - (i) Symmetric SNE: Pr= pilit + pilj

2n nis # dataprint

(i) Mapping to a heavy tribil distributed - Student -t distribution

 $Q_{i} = q_{1} = \frac{(1 + 1|y_{i} - y_{f}||_{2}^{2})^{-1}}{\sum_{k \neq l} (1 + ||y_{k} - y_{l}||_{2}^{2})^{-1}}$

- Arts ficial Neural Nets (AN HS): ANNS are popular functions and to made I/o relations on the supervised harring subling: if = f'(2; 0)
- · Let's define a simple AMN. or a multilayer perceptron



ý = f(n; 0)

Input layer

Itsddin Layer

Output layer