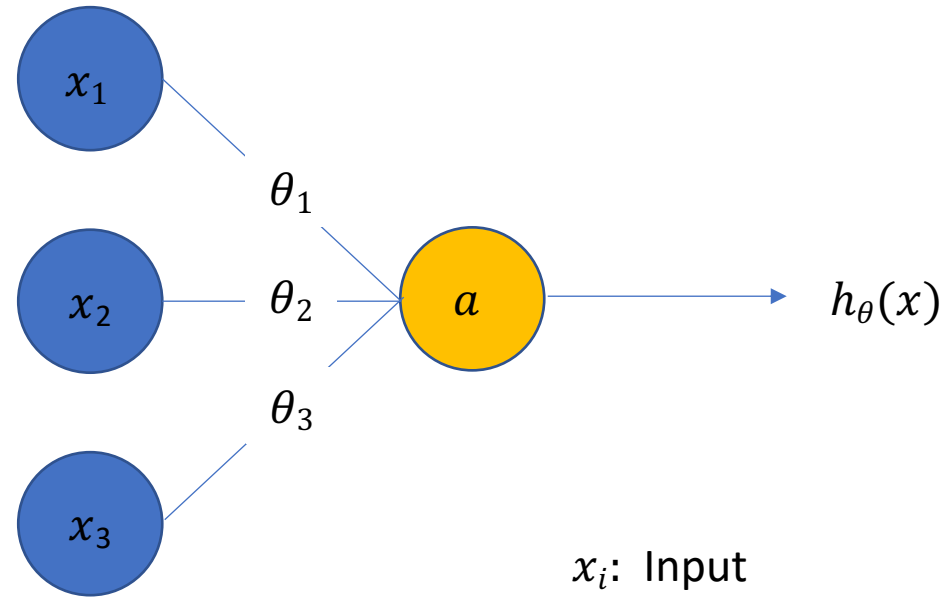


Question 1(a) – Basic Logistic Unit



x_i : Input

θ_i : Weight

Weighted Sum:
$$z = \sum_{j=1}^n \theta_j x_j = \theta^T x$$

Activation:
$$a = h(z)$$