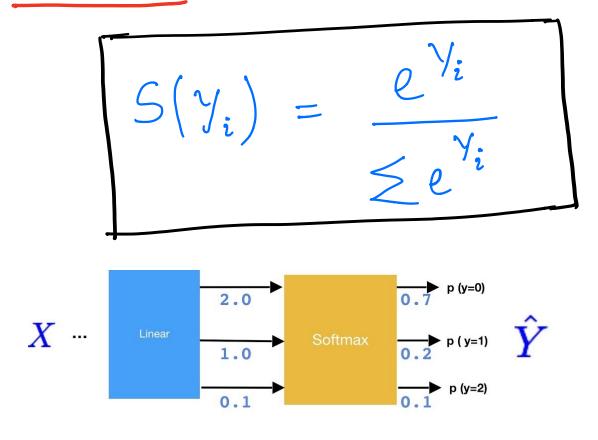
Softmax



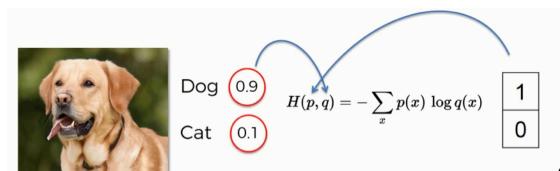
Scores (Logits)

Probabilities

Cnoss Entropy:

Cross Entropy Loss:

$$L(\Theta) = -\sum_{i=1}^k y_i \log{(\hat{y}_i)}$$



$$H(P, q) = -(P(d \cdot q) \cdot l \cdot q \cdot q(d \cdot q) + P(c \cdot d \cdot r) \cdot l \cdot q \cdot q(c \cdot q))$$

$$= -(1 \cdot l \cdot q) \cdot q + 0 \cdot l \cdot q \cdot q \cdot r)$$

$$= -(-6 \cdot 0 + 5 + (-1))$$

$$= -1 \cdot 0 + 5$$

