

Temperature Scaling  $\left[ \frac{p_i'^{1/T}}{\sum_j p_j'^{1/T}} \right]$

for  $T = 0.5$ ,  $[0.6, 0.3, 0.1] \mapsto [0.78, 0.2, 0.02]$

$$0.6'^{1/0.5} = 0.36 \mid \sum p_j'^{1/0.5} = 0.78$$

$$0.3'^{1/0.5} = 0.09 \mid \sum p_j'^{1/0.5} = 0.20$$

$$0.1'^{1/0.5} = 0.01 \mid \sum p_j'^{1/0.5} = 0.02$$

for  $T = 2$ ,  $[0.6, 0.3, 0.1] \mapsto [0.48, 0.32, 0.2]$

$$0.6'^{1/2} = 0.77 \mid \sum p_j'^{1/2} = 0.48$$

$$0.3'^{1/2} = 0.55 \mid \sum p_j'^{1/2} = 0.32$$

$$0.1'^{1/2} = 0.32 \mid \sum p_j'^{1/2} = 0.2$$



↓ high temp > 1

↑ low temp < 1

