

Temperature: Step-by-Step Calculation

Given: Logits = [2.0, 1.0, 0.5, 0.2]

Tokens = ["cat", "dog", "bird", "fish"]

T=0.5: [4.0, 2.0, 1.0, 0.4] \rightarrow [0.73, 0.18, 0.07, 0.02]

→ 73% on "cat" (FOCUSED)

T=1.0: [2.0, 1.0, 0.5, 0.2] \rightarrow [0.42, 0.23, 0.16, 0.13]

→ 42% on "cat" (BALANCED)

T=2.0: [1.0, 0.5, 0.25, 0.1] \rightarrow [0.32, 0.26, 0.23, 0.19]

→ 32% on "cat" (FLAT)

Lower T = more peaked | Higher T = more flat