

Top-k Example: k=3

12. Keep Top k Abilities:

cat: 0.45, dog: 0.45, bird: 0.18, mouse: 0.15
Sum: 0.45 + 0.45 + 0.18 + 0.15 = 0.78
cat: 0.45 / 0.78 = 0.58
dog: 0.45 / 0.78 = 0.58
bird: 0.18 / 0.78 = 0.23
mouse: 0.15 / 0.78 = 0.19
.... 0.04

Result: Sample from {cat: 58%, dog: 23%, bird: 19%}

Prevents sampling from long tail ("mouse" eliminated)