LLaMa2 Kv-heads to match the murkers of query heads SWIGLU Penchica FFN suigh (a, W, V, Wz) z (Snish, (aW)@aY) W2 LlaMa z B21, Surh = 874 INFERENCE:logits & the output of the last linear layer in -strenspourer model. Try one asscalled probabilities, but not clearly as they don't simp up to I. - The softmax scales the to make then surprupto 1. 1) Gredy 1 - ausy to implement - select the highest probability 1 - pegums por gren can lead to bad 2) Been-Search (K22) 16p(2) or K. with highest propability, we make I prompt on next step and deck the model to generate next poten and cultulate commulative severed for puth and select the highest complete several o2[confide] 0.40002 and some bu

pession better.

Temperature:

> The idea is to scale the logist before applying softmax

> I'm temperature - more confident model - high gap you 294 productive

- high temperature - cers confident model - low gap b/w 294 probabilities

probabilities / temperature -, amplity of deany 177y prob

Randomn Sampling

Japles softmax, as it is distribution we can take the number (sample) from it.

issues eg [0.12, 0.07, 0.80]

forst we charse no, then FI., the stopper the probability the more Weely to be choosen.

Problem: The very little probability it may happen that are charse that are buildhit is we end up chaising lew probabilities.

Top-K = to avoid bud tokers, we sensue them sent all the logits, and keep the heighest IC, and apply softment to rest. But AM I aw probablises on make cased on distribution. we went a bot randomness at mid level.

Top-P. we keep only the tolers with highest probabilities such that their commulative probability is greater then or equest to P(personneter). This lot us deal with all trypes of distribution (flat or 12.4.

(P=0.7), area and distribution.