Attention (P-8) (LLM notes)

- Multi headed attention. Call ran in parrallell

· in the exis from PI-P7, Like the Ex of adjectives applating hours is one single head of attentish, but there's many more heads needed to add context Like For ex updating words that are splitted The same but have different mraning, so we do what we did in singly headed attention 10'0000 times giving LLM's the level of context they really need.

Ex a upside-down flufty blue creature is flufty and blue

- is another head of attention telling the - States Pasition and orientation of the creature . Mis together is multi headed attention, so this + lors ou = full

R- Each head has its own key, and Value matricies These matricits parameters dictate the context its adding Lite adjection updating nouns, and is training. There are 10000's of Mese heads each learning its attention pattern" in training. Beach attention hand proposas on change to The Embedding of the word, these changes from each head are added up and added to the original embedding in that attention

[[.7[:]] - after all there
[[.7[:]]] heads act on

empedding s

Scanned with CamScanner

WK(1) WA(1) WK(2) WQ(2)

embedding

Attention
Original = E; + DE; + DE; ... = New

Embedding

Embedding