(NxTaxd) (N×La) > Andio Embeddings Audio · Sample @ 48kHz · 128 - Sample len putch split · map each patch to (dx1) rector (NXTxd) (NXLT) · Home a mar-seq-len | Encoding | Text Embeddings Tert · Tokenize terf as one - hot vec · map each one-hot vec to (dr1) vector # Transformer Encoder (Nx7xd) # 2 versions of VATT 1) Modality - specific (Tn + Tt) 1) Multiheaded Self Affention 2) Layer Norm + Add & J(1xd/h) one en coder por modality 2) Modelity - agnostic (Ta = Tt) 3) Feed forward MLP layer one en coder is showed 4) Layer Norm + Add (hw/650) -> d -> 4d -> d # Multimodal Projection Head (Nxd) -> (Nxdproj) 1) Extract the [CLS] of each modality or average pooling 2) Map them with a linear projection to 1D space. 3) This map can be of different types

Les Hiorarchical - "Dog bank" - Multiple layers to classify -> Linear - "Dog" "bank" - One layer to classify # Contrastive learning 1) NCE (Noise Contrastive Estimation) - Andro + Transcript 2) M12 -NCE (Mulliple Instance Learning NCE) - (1) + Labelle # Drop Token > Randomly chop some patches and corresponding text patches.

Helps with computational bad. is Especially useful for own long sequences # Longer Data Foresight Lt T 1) La 9 Tt 1 2) Ta 1 with changes in sample rate more aggressine drop token
vs.
changes in model d'inensions

VATT - For Project

Monday, October 28, 2024 7:55 PM

4) Nun-layers 1