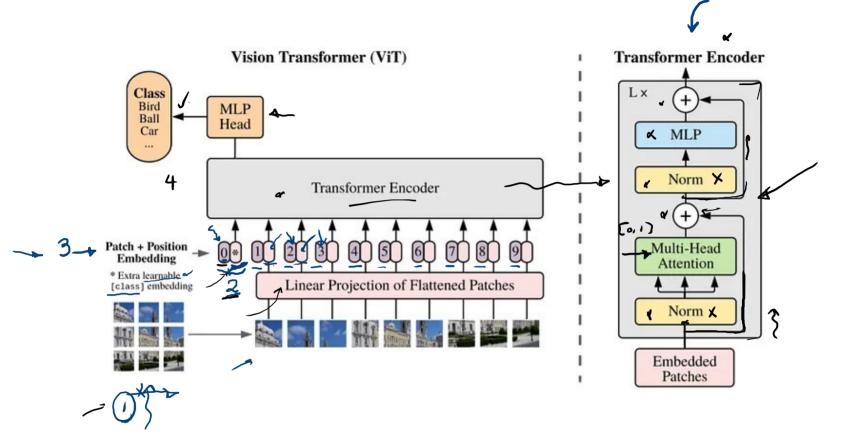
Vit (Vision transfermer) Transformer Encoder / decoder Vision Transformer,

layer: LSTM (umits:5) /layer2, LSTM (umits:3) LSTM

Detection 1 segmentatio-/ ____ Deeplab v3 classification _ > > > 66 2018? Complex d'issue performance metriet s'improver 1 silvio - Elever DIT USPA 2 silvio de LSTM y CNN NI NI LI

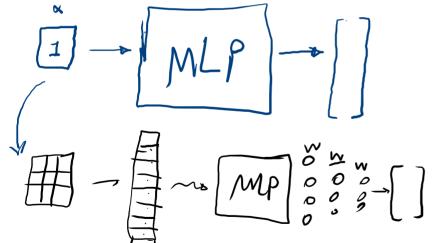
Data Hungry الله المواجعة المؤالة المراحة المراجة المراجة

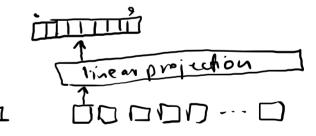


1. pupre cessing! Image Do patelles! Conv20 (Kerneul si Ze = Stride) 2. Linear projection!

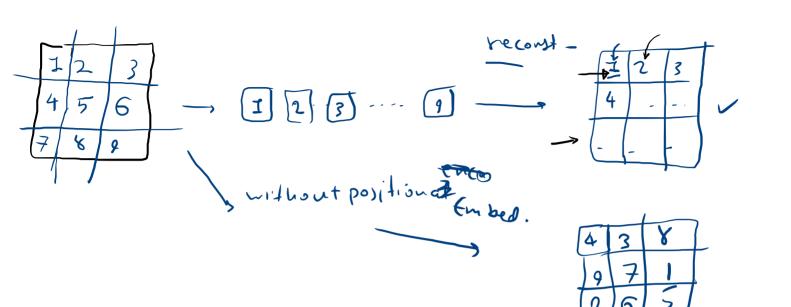
. patch in

! W Direct





3. position Embedding 1 why? [3 23 Lincov Proj. poten 1



Con mot invariant.

con, pooling!

poul - scaling, invariont.

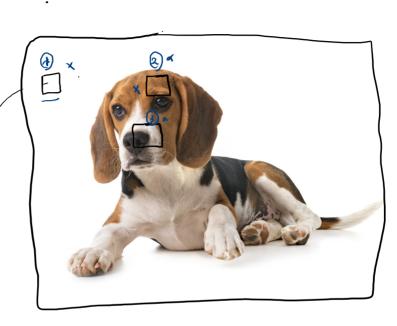
4. Transfermer encoder1

Attention!

Cignising)

Cignising) 22 _vector

3 - verlor



2, Z_1 dr X Attention

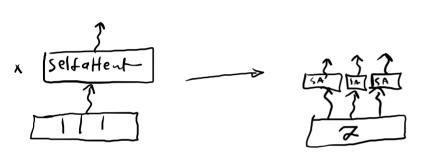
Kej Query: Feature of interest1 MLP ~~ Attention (Q, K,V) = Softmax self Attention Lactor onginal Value; festury 20 m sealed by probabilities!

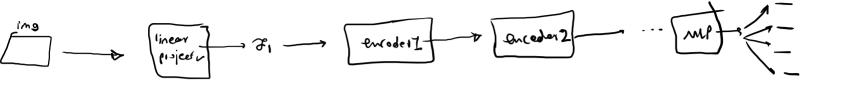
$$Q = [x_1, x_2, \dots, x_7] W^{Q}$$

K: Key: [Z,, Z, ..., Z,] wk V: [J.,..., Z] WX Imprevement in Enceder.

La. Normalidation Deyer
and Skipconnection!

5. multiherd self attention! (MHSA)





6 hd