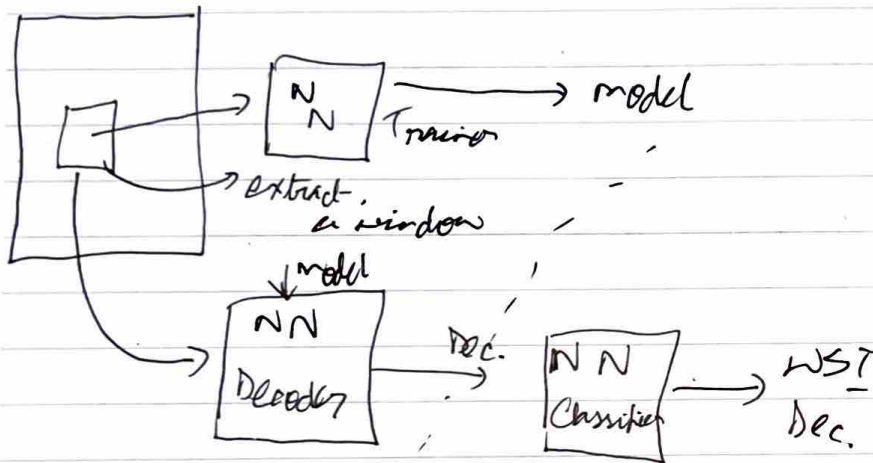


02/21/2024

Fig out how we present the image to the ^{Neural} network

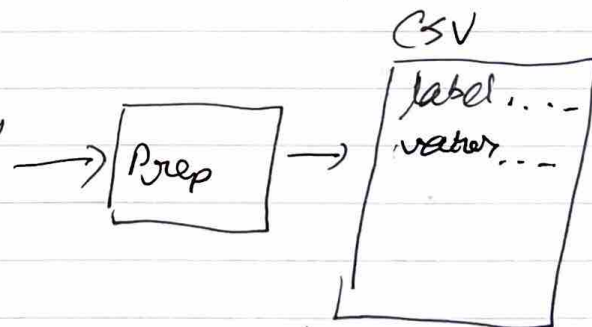
Raster scanning,

DCT — 2D Fourier Transform



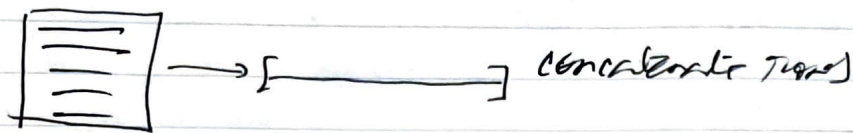
1) Feature Engineering — How will you represent images to a NN.

① Preprocessor — List of images
List of annotations
Frame Size
Window Size

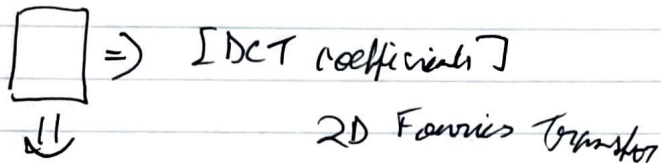


(2) Features:

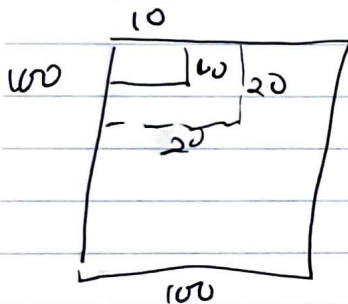
Convert 2D image \rightarrow 1D vector



DCT



3D Frequency Spectrum



$3 \times 20 \times 20$ vector + label

1 row \rightarrow data corresponding to a frame

Principle Component Analysis (PCA)

Software Architecture Document