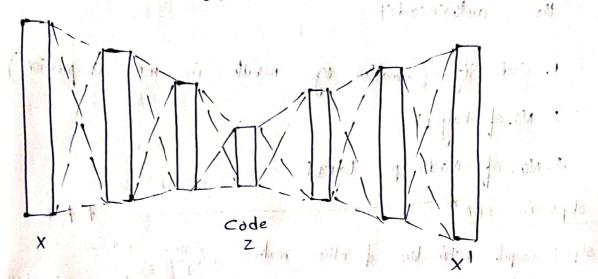
relaxant feature and barring out the irrnelavant teature mexent in the other set to build a model of high accuracy to it is the way of selecting optimal teations from input diaset

Methods of feature selection philips & filler 2. Wrappy 3. Embedded 1. Alter method. 1. condection 9. Chi square set 3. ANOVa +. Information gate mity paral I hrappe meined of feature using machine bounting techinque. 1. famord seletim 2. Backward selection on the training of I 3. Biditactional Elimination 3. Embodded of Pt checks different training studion of ML model and an Evaluati important of each feature 1. Lass o 9. Elastic net 3. Rich neggunion

2. feature Exterction
many dimension into space with tewer dimension
9. LDA (Lineary Amenti Abalminette Analysis)
3. QDA (Lineary Amenti Abadiminate 1 Analysis)
3.QDA
Applications
1. Speech tocognization of without to
2 Signal processing
30 Bio Infomortic Print sudoit tour by huilit
2 product

to Lawy dimension and than neconstructs the input back



X - Input -> Encode

X' - autput -> Decode

z - code /neconstruct

- => it finds the representation of outs in a lower primention by focusing more on the important features getting this of noise and redundency
- Base on Encoder and Decodor task encoder encoders
  the high big dimensional deta to low dimensional deta
  and decoder takes the low dimensional deta
  The construct the high dimensional deta
- the mapping of higher to lewest dimension can be lead a linear or non-linear depending upon the chaice of activation function

WOUGHIH

Hypor parameter + Hyperparameter that we had to set before training anto encoder 1. Code Size (smaller vige nesult more compression 2. No. of Layons Modes per Region