Pred where or supervised tenining as Goal : to bear the mapping input X to entrut & Given D = 2 (x1, 4, 5) D. + traings get, No no 4 having examples - 9: => categorical or nominal variable, 4: 6 of 1, ..., 6 } & & vector corrishy of features, alteritates or coverates When is is a categorical or nominal to the problem is classification of pattern recognition. 9: is red-valued, the problem is known as regressions & label space y has some hadinal ordary = ordinal regression (hornes A-F) "Descriptive of unsupervised bearing - only Inputs D= Zx; } is good is to find interesting patherns, (knowledge discovery) - NO companison as no y. Peinforwest barn'y - Mon to act / behave when given occasional reward as punishment signals. SUPERVISED barning had to temy learn the trappaid from & do y JEdio -- C} C= no. of dames C= 2, (Birany Varing callon) SE 70,23 C>2 (multiders damfialian) multi-label damification -> labels are not mutually exclusive (cap. tall & strong); multiple output model function approximation: y= 8(x), now our goal is to estmate & given a labeled brainf let, and Then nutre predictions and gof(x), not symbol

to denote an estimate