Linnar Regerssish (-superised learning) 6 1 - SL algos usully try to first the relationship between he was (input that complet) we try to find a function Rat maps on the other, Liner Regretish it trains to find a linear relationship between two variables finant to 124 data squares of distances between squerrs of distances between data points (true ral) and Ais simply minimize error

SSE = \(\frac{2}{2}\left(\frac{1}{9}\) \(\frac{1}{9}\) \(\frac{1}{9 Dependent intercept (oithernt variable continued) (TEE POPLE VM) I to simply ex of linear velashouship 9 : Prodiction Experment is height and shor size organion Where regardion fit can hell to for one unit of shor size increase d person will be on any Zinches keller Regretal E Act pink

(inches)

(inches) we want SUM(9-5/2-) Min 5 x you in mare the model more complex and hit to multidimpational duta for ex in shor size Ex of I shor size y 5 WY can add gehder + Ennieity (x, x2) to get better prediction X = B. + B, x, + Be X2 + ... + E. 6 & many ML algos Like NN are just Extendion of this Department on it Cliner Deposition)

age dose not matter (linear in disendence) com ceyr Mayl or Behind Mr s Eenrs you would have something Leike > Price : w. Saft + b SOFTrs Price (4) W= slope (price in per saft) Price of b = intercept (price at safe=0) house 1 A then was formula to

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