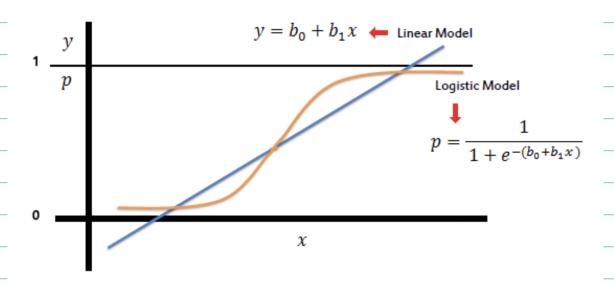
## Coefficient of Determination (R2) L) goodness q jit. € [0,1] pails to Perpet fit model the $R^2 = 0.2 = > 20^{\circ}/s$ of the dependent Variable is predicted by the independent variable exam's score (s) -> y time spent in studying -> x R2=0: Cau't predict つ $R^2 = 1$ : préfect prediction $R^2 \in (0,1)$ : partial prediction. **一** 7 R² is a goodness of fit. R2: 0. 9 NOTE: R2 tells you how X & y are correlated with each other, but it shouldn't be taken as an evidence

BI, ..., By = Weights



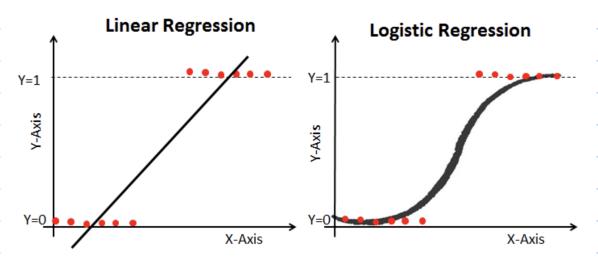
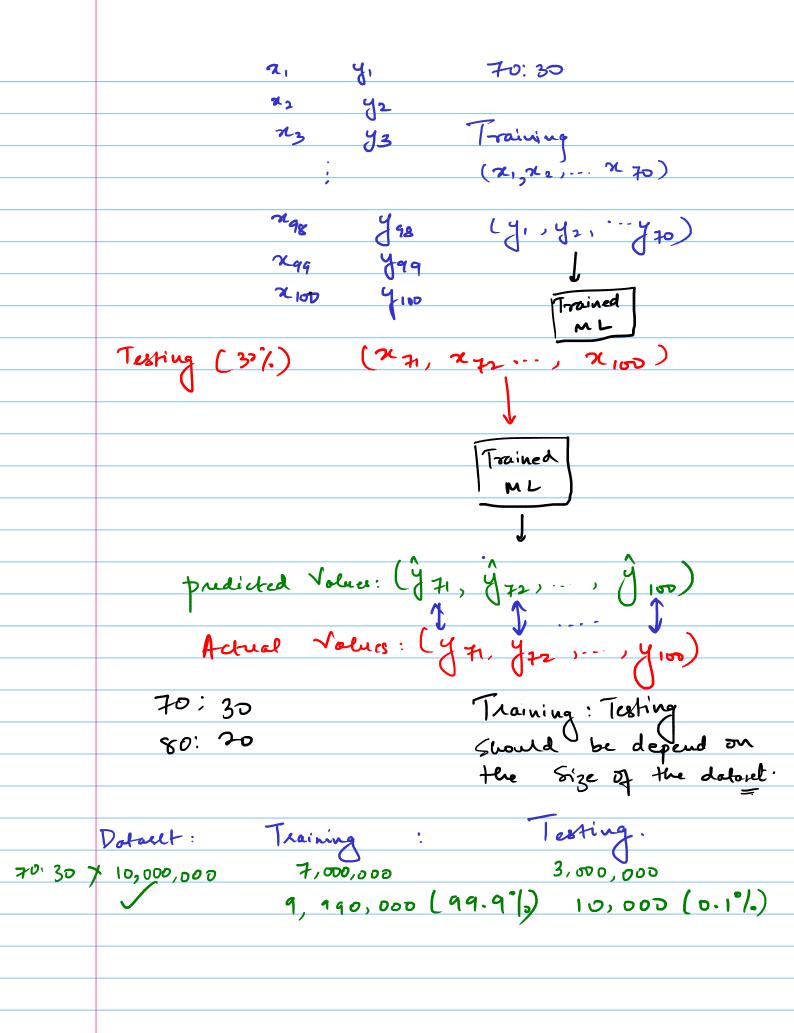


Image Source www.datacamp.com

if P>, 0.5 => The pulson has CHD or 1

CISC P< 0.5 => The pulson don't have CHD or 0.



Training set Validation set Test set. if he pails => he pailed to generalise (Overfilling) (T-20] M 60% 500 u 85% Train hur -> Evaluation within -> Rolling out to model the env., with the world & the available delotel getting the feed back. Random State = K darcet = [a, b, c, d, e] Splitting: 8:2 > test-size= 0-2 I: Random Stole =0

training = [a, b, c, d]

Test = [e] I Randon state = k

training = [a, b, d, e]

test = [c]