Упрыши вненьнир, ПМ2 I $f(x) = \beta_0 + \beta_1 x + \beta_2 x^2$ winning MUM Hawarus $\beta_0, \beta_1, \beta_1$ $x^T \times \beta = x^T y, nge$ $X = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix}$ $Y = \begin{bmatrix} 4 & 1 \\ 1 & 1 \end{bmatrix}$ Pennell currency nopulationers

yp-us XTX \$ = X y, uge

\$ = [30], ususques, roso: \$= [1] s1=x+4x2

Tompount mosques more sue benja managered pugner - perperun c

mapariempare perperun c

mapariempare perperun 2 mod 9-4

XX + 1 T = [5 1 3] [1 0 0] [6 13

XX + 1 T = [1 5 1] 0 1 0 [1 4 1]

3 1 3 [0 0 1] [3 1 4 Turalle perfughugeo cumences: equinous manquest Mague: 7(x) = 3 - 2 x + 5 x2

1 zagare Sus. mercugueragues Theimun N. + No = N, uge N. No non-to uperanolumeres agnoro mous Dbay réz nougamens: IPR, TUR, PRV, NPV D-ms: no of glogiel moneyo nocrumos comansonore gle-Don-6: (Confegnaconcenum, TP \$0, TN \$0 OTPR=TP +0 PRV= TP+FP +0 TUR = TN #0 UPV = TN #0
TN+FN #0 TP+FN=N, TN+FP=No Eure cems opropriquel omosponent my TPR, TNR, PPV u NPV, mo months 4 pay no naving TP FP TNH

M. TPR-TP=0 No-TNP-TN=0 TP+1/0 - TN] PRV-TP = 0 -STN+NO-TP]NPV-TNSO TP+FN=N, TN+FP3ND TP TN FP FN No NI 40000 -TPR O -TNR PPU O NPV 0 0 0 11

11	11	AM	NH	99	TUR	TPR	1	
	TP	TN	FP	FN	No	Ne		
	1	0	0	0	0	TPR	0	1
	0	1	0	0	-TMP	0	0	
	PN-1	-PN	0	0	PDV	0	0	
	-NPU	PN-1	0	0	0	NPV	0	
	1	0	团	0	0	-1	0	
	0	1	0	M	-1	0	0	119

Thyone poured zugora Eunopus Befino ell, emo!) will y 2-X maring-ob my aguar uma sor busopue cobragaens PPV 4 Cobrogator TPR, no Egggn cobragans Behull PPV = TP = TPR = TP+FN =>TP+FN=TP+FP=>FN=FP TUR = TN = NPV = TN+FN FNUFP pabus y PRV = TPR TUR SUPV => PPV STPR TNR = TN = NPV = TN

=>FP=FN/enerTN +0) PPVs TP = TPR = TP FN
TP+FP = FP=FN 3) Helepwol Cobragence ROC Upuber buerens cobragence PRESISION-Recall Mubber u uxeasporm. FPR, TPR.

Ever ROC cobnagaens /> cobnagae
PR, m.u. Unousygions poquere memputus

FPR = FP +TN = I (q(x) = 0,5) predicted actual 266 TY = 1 -> TP 210(451) -> FN 9,09 (450) -> 10031-9((UV9C450,222 ta = 2 PPU. TPR 50,75

ROC-		TPR = TP TP+FN TPR = FP
	y TPR	FP +TN FPR
9,82 1 0,75 0 0,66 1 0,5 1 0,23 0 0,15 0 0,10 1 9,29 0	0,25 0,25 0,5 0,15 0,75 0,75	0 0,2 0,2 0,2 0,4 0,6 0,8 0,8 0,8 1

PR=TP+FN= TP FPR = FP - FP Thepor 082? Bre 9(2) 7,0,82 cruemans wan 1, Thorono agun obseum (0,82, 4=1) Manunpuns. wan 1 TPR = 4 = 0,25 FPR = = = = = 0 Thefor 0,75?

960 7075

869 oscernd (0,82, 451)

(0,75,450) TPR s 4 = 0,25 FPR = 1 = 0,2

Depor 0,66? The obseuna: (0, 62) ys1), (0, 75) ys0, (066, 4 =1) TAR = 4 = 0,5 FPR = \$ = 0,2 TPR AUCSOF Lugue auguana AUC =0,5) 0,2 0,5 07 1