مران الذي راده ما و دودون المراسية الم

ion the stillabel) culouf I data in Anil o still ship to our (You ~ / A=., B=1, C=1) odh~ كد فولمديود ولل عظا اتناز ى است. -3.500 00 = 1label: 1 = (A-1, B=1, C-1) 0/15,1 · in/ (5 in) (les) (in) -/ 000 : 13 obos 1/10x 1. = 10, CA % (est forthis of in , تعداد طائر و داده را مر در ار در از النه و وقتی مقدار مجد داده الله در از الله و الله -) C - [4/K] Sliver 9 - (C) - [1/K] - well with the

W, - VK The OUK, OH (CO) Will wi Wir" Nobe X-9 Y 9X:RA) (Y= K | X=x) = ewix x K = 1,1, ___, K P(Y=K|X=x|= e, wx1x 1+5ew, Tx, K-1, -, K -1/5. p(Y=K | X=x) = 1 14 / emila WK=0 OS K=K O). -) die (- W } ien (10 Ce ((w, - w, c-1) = E b p(y=y; | X=x;) = \(\int \left(\frac{e^{\overline{t}}}{1 \in \int \text{evertur}} = \frac{\int}{1} \left(\frac{\overline{t}}{\int \text{evertur}} = \frac{\int}{1 \int \int \text{evertur}} \left(\frac{\overline{t}}{\int \text{evertur}} \right) \right) V((WK) = \(\frac{\x}{i=1}\)\(\Gamma(\frac{\x}{\infty}) = \(\frac{\x}{\infty}\)\(\frac{\x}{\in = \(\frac{\x}{\int_{i=1}}\left(\T(y;=\x) - \no(\gamma=\int_{i}\left(\x=\xi)\right)_{\xi} if y,=K -> I(y,=K).19 0.w. >> 0

Thunk) = Thunk) = Thunk)

$$w_{j} = (x_{j}^{T}x_{j})^{-1}x_{j}y \sim w_{j} = \frac{x_{j}^{T}y}{x_{j}^{T}x_{j}}$$

$$32,$$

الت ارالحه المرادك

jed det a solver (b) fel (

$$X^{T}X = diag ((\mathcal{H}_{1}, X_{1}), -, (\mathcal{H}_{m}, \mathcal{H}_{m}))$$

$$\longrightarrow (X^{T}X)^{-1} = diag ((X_{1}^{T}X_{1})^{-1}, -, (\mathcal{H}_{m}^{T}X_{m})^{-1})$$

$$\omega = (X^{T}X)^{-1}X^{T}y = diag ((X_{1}^{T}X_{1})^{-1} -)X^{T}y$$

$$\longrightarrow \omega_{j} = (diag ((X_{1}^{T}X_{1})^{-1}, -, (\mathcal{H}_{m}^{T}X_{m})^{-1})$$

$$= (\omega_{j}^{T}\omega_{j})^{-1}(X^{T}y)_{j} = (X^{T})_{j}y$$

$$= (\omega_{j}^{T}\omega_{j})^{-1}(X^{T}y)_{j} = (X^{T})_{j}y$$

$$\omega_{j} = \frac{x_{j}^{T}y}{x_{j}^{T}x_{j}^{T}y}$$

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$$X = \begin{cases} x_{i}^{T} \\ \vdots \end{cases} \qquad X^{T} X = \begin{cases} x_{i}^{T} x_{j} & sum(x_{j}) \\ sum(x_{j}) & n \end{cases}$$

$$(x^{T} X_{i}^{T} = \frac{1}{n ||x_{i}^{T}|^{T} - sum(x_{j})} \begin{pmatrix} n & -sum(x_{j}) \\ -sum(x_{j}) & n \end{pmatrix}$$

$$X^{T} Y = \begin{cases} x_{i}^{T} \\ sum(y_{j}) \end{pmatrix}$$

$$(w_{j}, w_{i}) = w = (x^{T}x)^{-1}x^{T}y = \frac{1}{n!n_{j}!!!^{2} \cdot \text{Sum}^{2}(x_{j})} \left(\frac{x_{i}^{T}y}{\text{Sum}^{2}(x_{j})} \right) \left(\frac{x_{i}$$