Wear no is 3+ & X = Y B, is the estimator

Le locers reterne mon

(x'x) X'Y solutioner to the probeture of the board soquere

(X'X)B = x'Y is a NORMAL FRUMHON

B = (x'x) x'y) obready hum

before sometime error brunder une

it is a system Ax=6 A los to be square and los X isn't to love bell book, lence square Come is no solution free the recesor force is one secon form

N equations, k randons unknim, and KKN who wecker B

the OCS estudior is ulot when the closest possible the last bad wide and the right hard side of Y=XB (Psaudo-solution)

X'XB = X'Y

(NA)(NA)

(NA)

(NA)

(NA)

(NA) to ushe the noture and me let for voire

lore tolley experbabion

· B1 = GU(2)

lesse our le pouverters but lever bue

ou certerpue totion

Dese pourchets our unknown

X = [i, x] little x

(sxx)

[ota, rector of ones

ue bere to compette L't = [][1]

the ortput is foury to be a zez

$$X'Y = \begin{bmatrix} 1 \\ X' \end{bmatrix} \begin{bmatrix} Y \end{bmatrix} = \begin{bmatrix} 1'Y \ge \sum_{i=1}^{n} Y_i^i \\ \sum_{i=1}^{n} X_i Y_i^i \end{bmatrix}$$

WORMAL EQUATION $(x'x)^2 = x'y$ don't both wellows by N

$$\frac{x'x}{N} = \begin{bmatrix} 1 & \overline{x} \\ \overline{x} & \overline{x}^{2} \end{bmatrix}$$

$$\frac{x'y}{N} = \begin{bmatrix} \overline{x} & \overline{x}^{2} \\ \overline{x} & \overline{x}^{2} \end{bmatrix}$$

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B=7-B, F

Solved .

MATCAB PART Sqrt (Squa_2) és lo ja we want it to le salect the line	ue the spectour the some consource that the solect F9 to tun a sight-line
CEONETRY OF OLS	rue look of pour obstruct
$\beta = (x'x)'x'y$	

9 = XB de le litted volumes, that her on the littless

ou le sus pudroted by le model

Le crot 15 deflourt leve 6, ue do not men te true bete, ue only on hearter testinds

E-x residuals De error lerm is e italish's voudostor comot be deserved

 $\hat{Y} = [X(x'x)]X'Y$ (NXK) (KXY)(KXN)

NXN is fle result we call it Pr

other upselost sector is Residud woker water

E = 4-4 = 4- Pxy = (IN-Px) y=14.4

