classmate
V I Date
TE CMPN A2
MA MAN
7 9 11 -1 2.5
8 4 0 -4.5
13 5 -3.5
T 14 -1 5-5
$\bar{\alpha} = 8$ $\bar{y} = 8.5$
$A = \begin{bmatrix} MAx & MAy \\ -4 & 2.5 \end{bmatrix}$
= -9 215
5 -3.6
7 5.5
C = ATA =
$\begin{bmatrix} -4 & 0 & 5 & -1 \\ -4 & 2 & 5 \\ \end{bmatrix}$ $\begin{bmatrix} -4 & 2 & 5 \\ 42 & -33 \\ \end{bmatrix}$
2.5 -4.5 - 3.5 5.5 0 -4.5 = [-33 69] 5 -3.6
7 5.2
Wt $((-\lambda I) = 0$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
[33 64-7]
(42-3)(69-3) - (-33)(-33) = 0
2898 - 428 - 69 A+ A2 - 1089 = 0
$3^2 - 111\lambda + 1809 = 0$
λ = 91.154 , λ= 19.845



