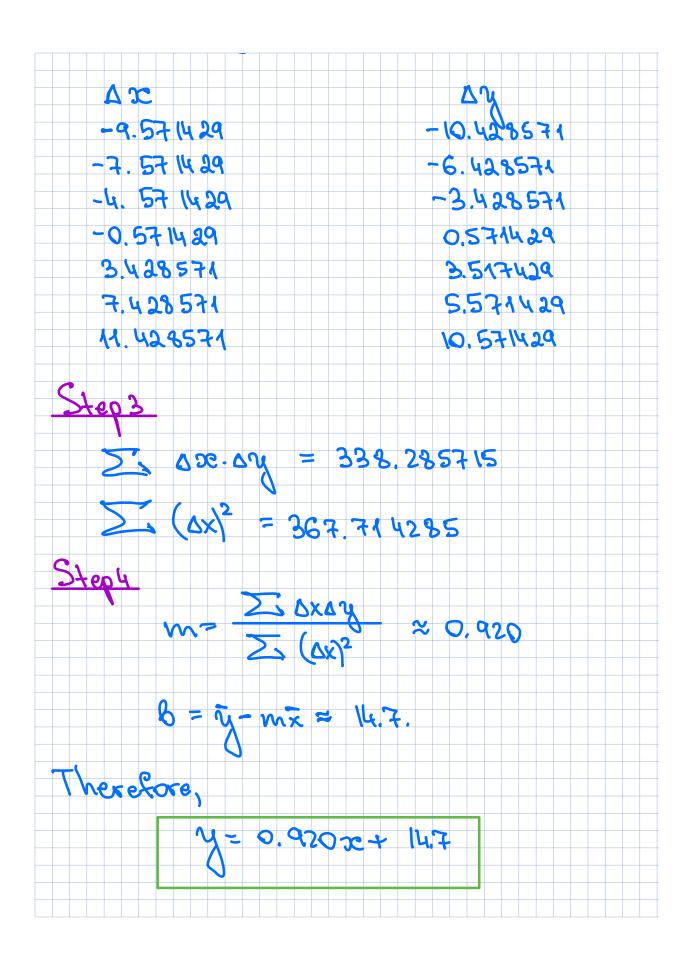


regression: find the line that dosely fire given data Mosk east - squakes method: minimize the sun of the Squares of the deviations between the line and the actual data points. Step 1 1+3+6+10+14+18+22 x 2 10.571429 24.428571 $\Delta x = x - \bar{x}$



Correlation: with given (21,141),

(22,142) ..., (xn,4n) find if

the ealletion shows linear

dependence of y on 2. We need to calulate Peakson correlation Z ox ay -1 5 2 67 • r=0: no linear dependence Strong linear dependence 12127 positive Slope in the line of best fit he line of best fit V 70 **540**: our example ne have Due to ≈ 0.990. (Strong positive

