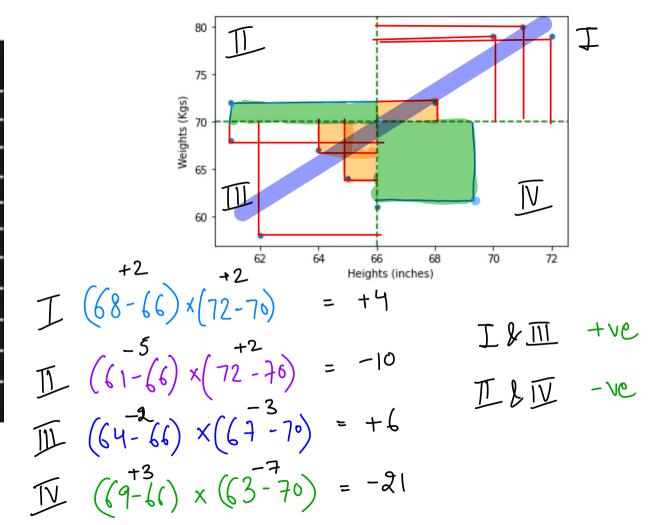
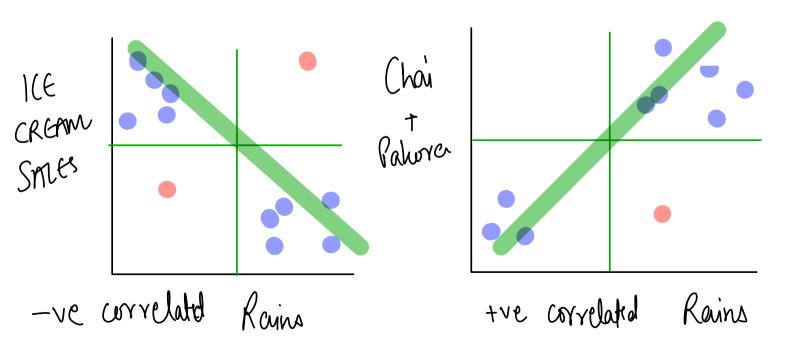
CORRELATION

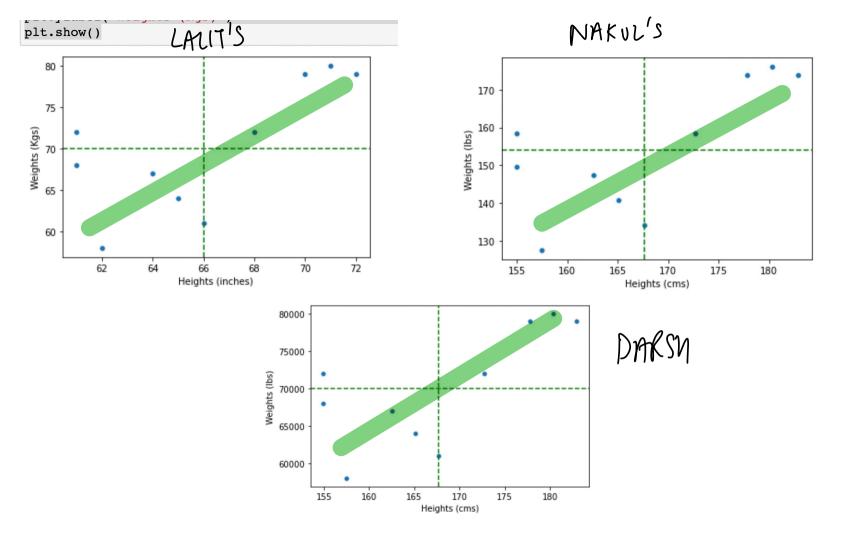
TEST

| Height (inches) | Weight (kg) | |
|--------------------|----------------|--|
| 68 | 72 | |
| 62 | 58 | |
| 64 | 67 | |
| 61 | 72 | |
| 70 | 79 | |
| 66 | 61 | |
| 61 | 68 | |
| 65 | 64 | |
| 71 | 80 | |
| 72 | 79 | |
| $\bar{h} = 66$ | $\bar{w} = 70$ | |



Covariance =
$$\frac{1}{n} \ge (x_i - \bar{x})(y_i - \bar{y})$$



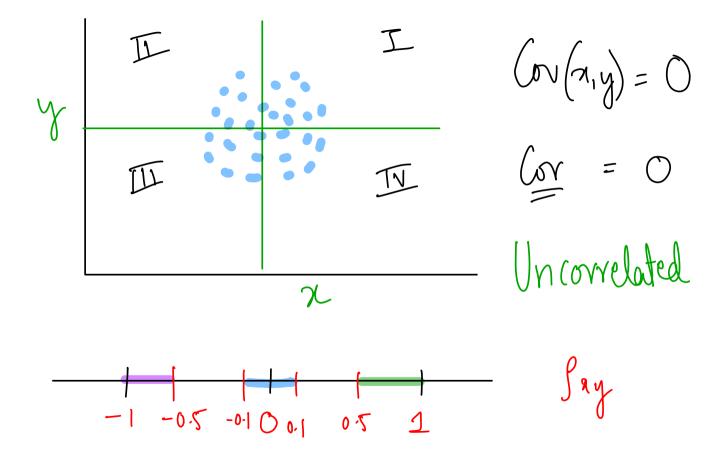


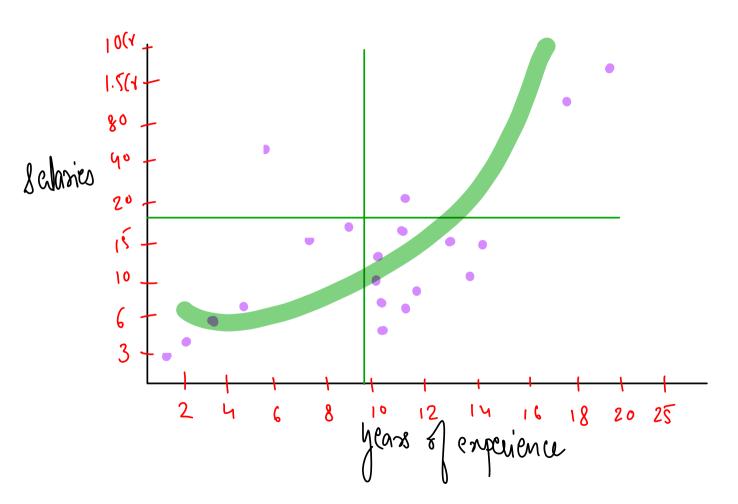
Covariance:
$$\frac{1}{n} \leq (x_i^2 - \bar{x})(y_i^2 - \bar{y})$$

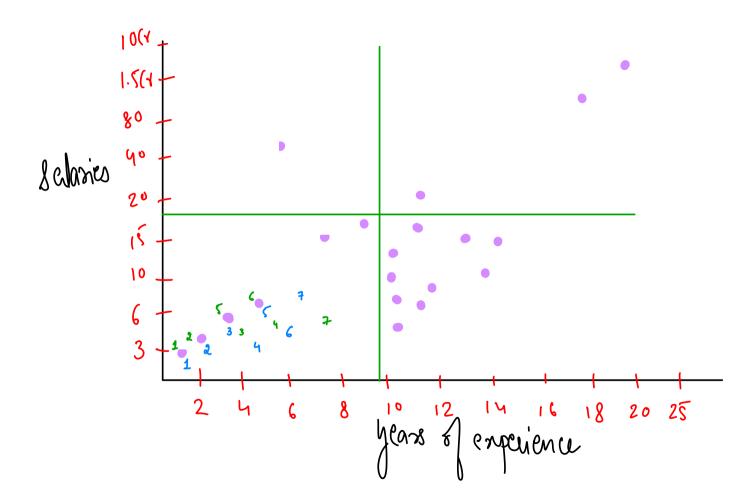
Correlation:
$$\frac{1}{n} \leq (\frac{\chi_{i}^{\circ} - \bar{\chi}}{\sigma_{\chi}}) (y_{i}^{\circ} - \bar{y})$$

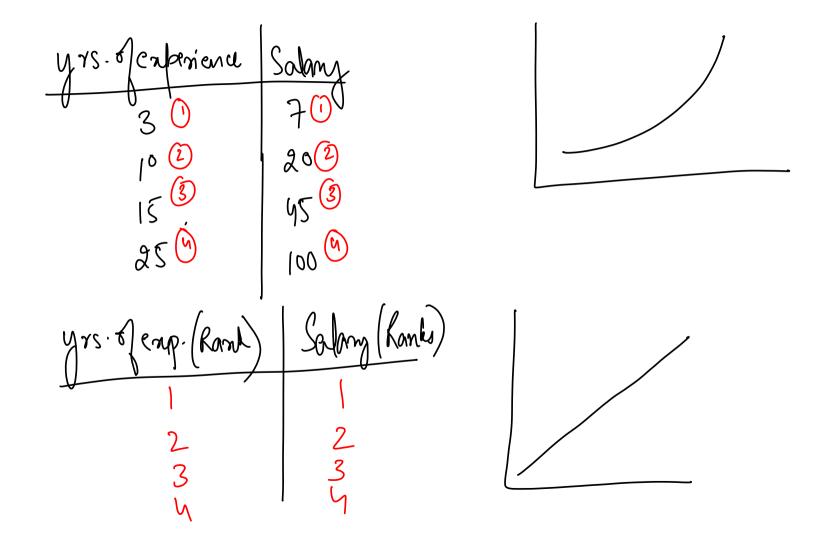
Peasson
Correlation =
$$\frac{(ov(x,y))}{ox oy}$$

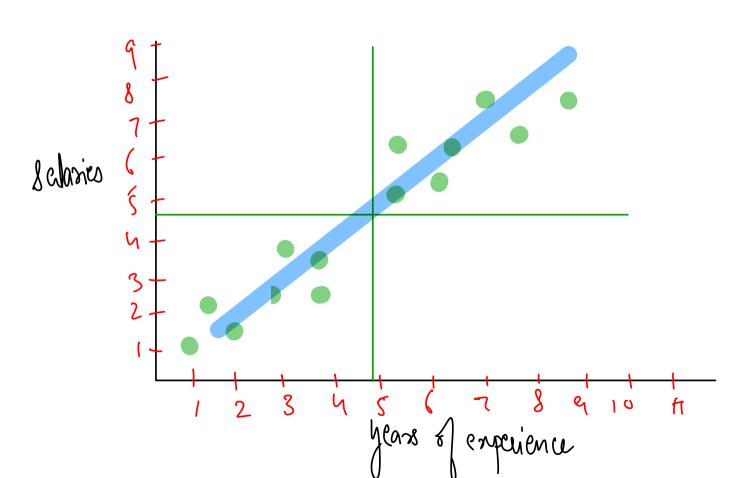
$$\int_{My} = \frac{Gv(n,y)}{\sigma_n \sigma_y} - 1 \leq \int_{My} \leq 1$$



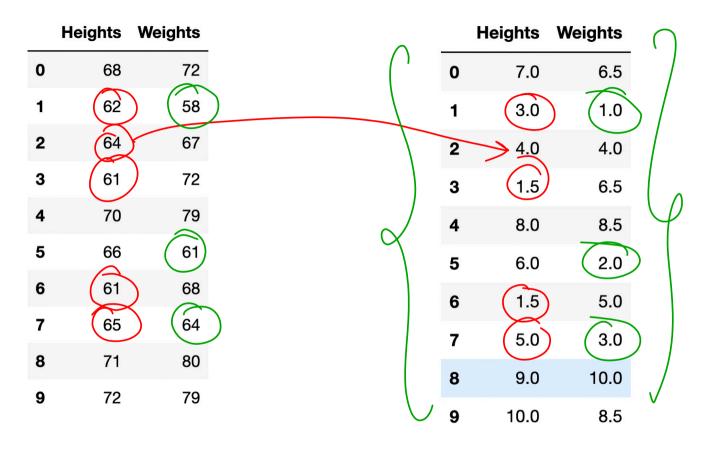








Spearman Rank Correlation Coefficient (ov (22 Rank, Yrank)



to fe to fe Targer Nu Car Car Nu Car NV

Say = Cov(a,y)