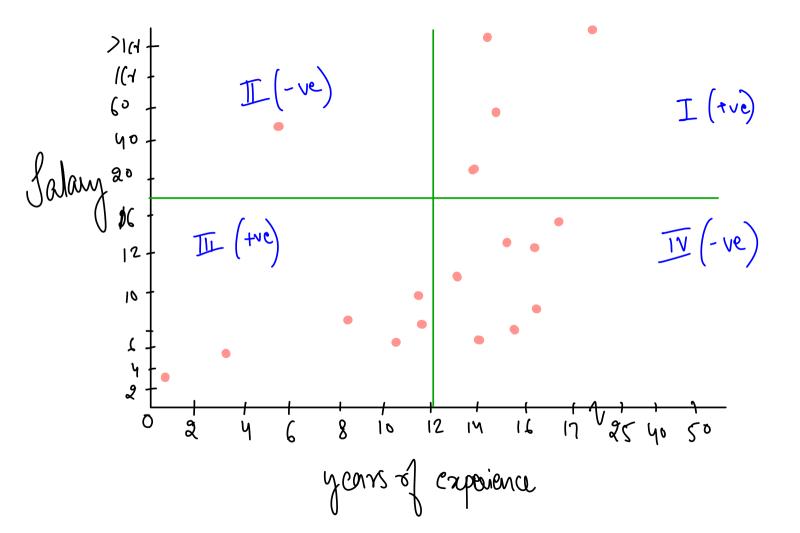
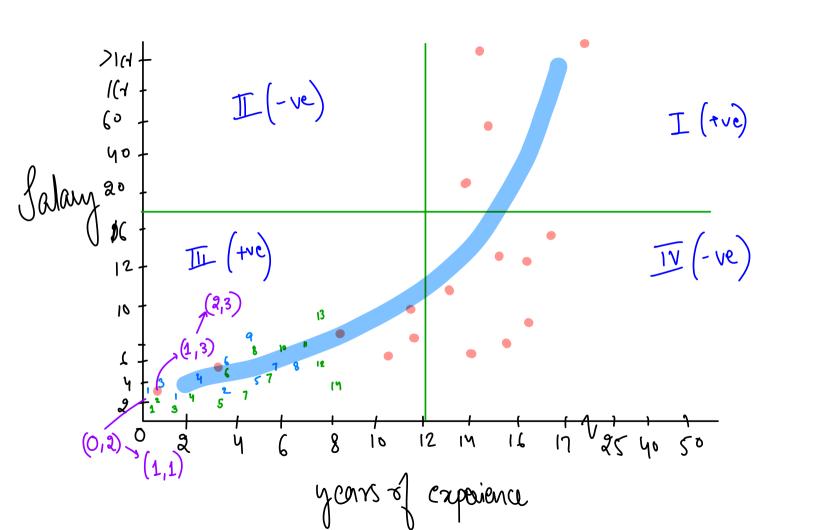
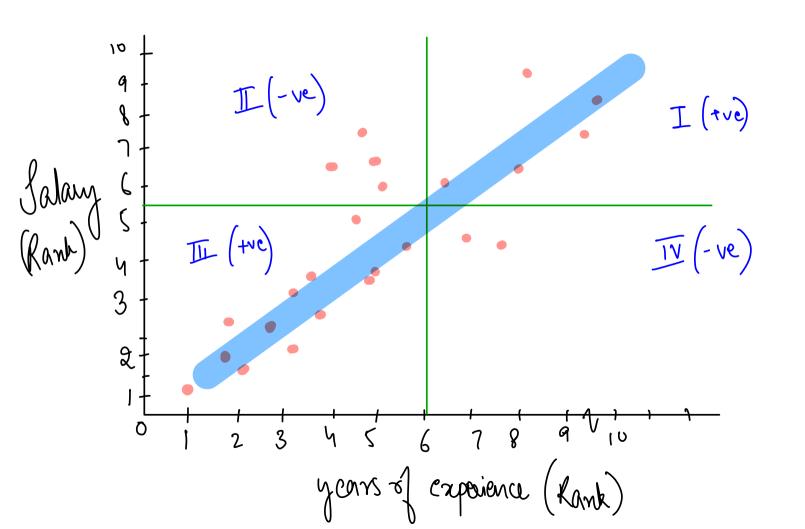
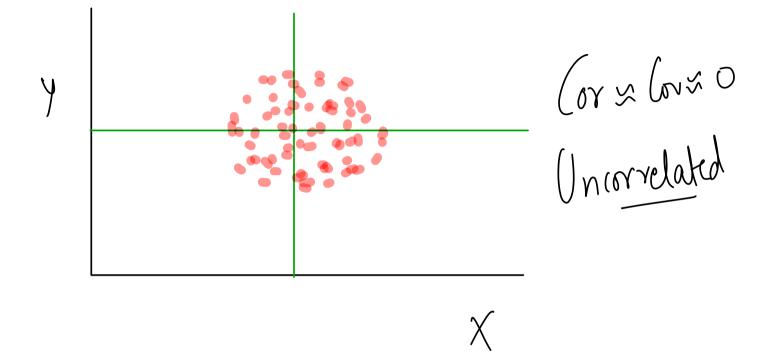
ADVANCED DISTRIBUTIONS-1 P01550N

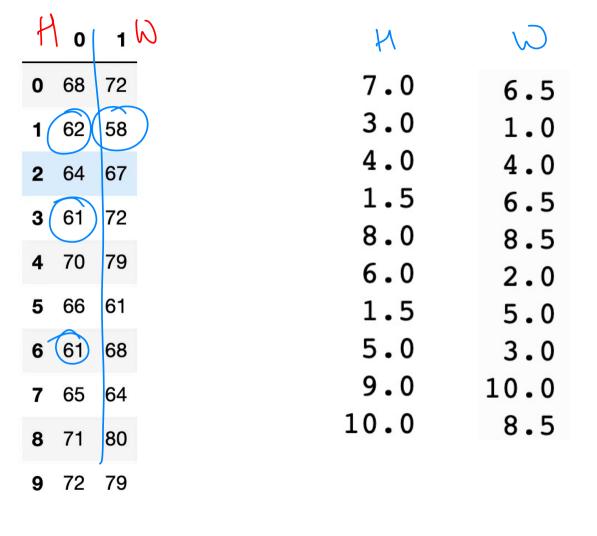


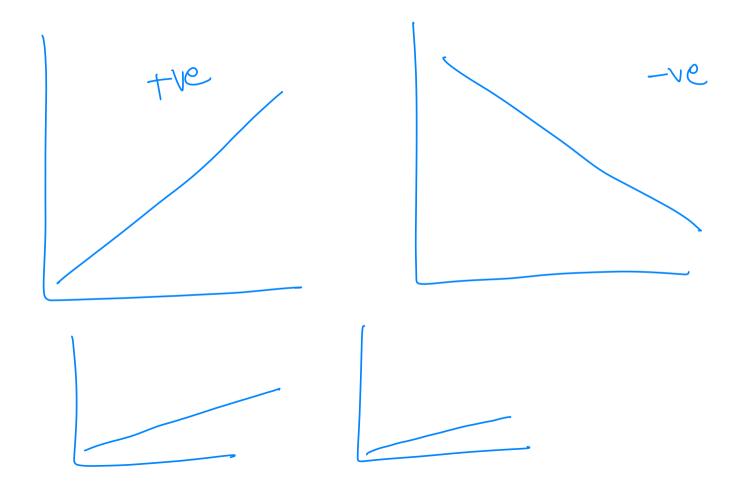


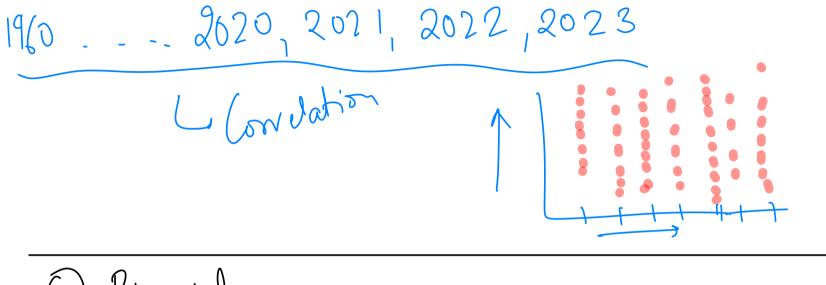




Jeannan Kank Correlation Coefficient (ov (Nranh, Yranh) Surank y Rank =







(1) Binomial
(2) Normal/Gaustian
(3) Geometric

Mormal bransian cdf prof Binomial Cof Greombic

Football band

Football band

Aug ## of goals per 90 mins = 2.5

Rat: 2.5 G/90 Mins Rat: 2.5 G/90 Mins What is the frob of having I god in the last 30 mins. 2.5 G - 90 mins 1.25 G -> 45 mins Cushmer going to a store

Avey # of Customer / day = 100.3 Rate 100.3C / 1 day 100-3 C → 24 hour PL 10 Customers in new I have] 4.17 C -> 1 how

Support Team
100 Call / hour.
P[50 Calls in 2 hours] Rate: 100 Calls I how Thour 2 hour 100 C 200 C Hospital
Avg # accident/day = 3
P[5 patients will awine tomorrows] Rate: 3A/D 3 A I Day 6A 2 days

Rate: Aug mo. of occurrences, in a given time/space Interval, Notation discute Continous mathematics. Rules a Counting: Random Variable that we have classer must be the no. of occurrices. In an interval. 2 Independance: Occurre are independent.
3 Rate is independent from actual occurrer. (4) No simultaneous ocuuncl.

dim k = value > = Nate v n-k

A city sees 3 accidents per day on average. Find the probability that there will be 5 accidents tomorrow?

Rate: 3A / Day
$$\chi = 3$$

 $\chi = 10^{-1008}$
 $\chi = 10^{-1008}$

Let "X" be the number of typos in a page in a printed book, with P[X = 1] = P[X = 0] + P[X = 1] = P[X = 1] = 1 = P

mean 3 typos per page.
What is probability that a randomly selected page has atmost 1

$$\lambda = 3T/$$

$$\int_{0}^{\infty} \left(\frac{1}{3} \right) = 0 + \int_{0}^{\infty} \left(\frac{1}{3} \right) = 0$$

$$P(K=1)=poisson.cd(k=1, mu=3) = 0.19$$

 \mathcal{M} (alls Poisson W MM 12 17

P[Evidence | Ho cs true] Ho M, = M2 Ho. M, # M2

(500) M2 0.02

