14/11 Konfidens enter vall, et Normal for delning 
$$\overline{X}_i \in P_0(\lambda)$$
  $\overline{F}(\overline{X}_i) = \lambda = \sqrt{(\overline{X}_i)}$   $\lambda^* = \overline{X} \approx N(\lambda) \sqrt{\frac{\lambda}{n}}$   $CG_0 h > 30$ 

$$\lambda^{*}_{obs} = x$$

$$\lambda \in \left( x + \lambda_{1/2} \right)^{*} (1-\lambda)^{-1/80/8}$$

$$X \in HyP(N) 600; P) \approx Bin(600; P)$$
antag  $\frac{n}{N} < 0.1$ 

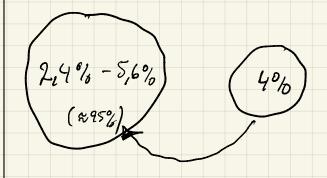
$$P^* = \frac{X}{n} \approx N(P_j) \left( \frac{P(I-P)}{n} \right)$$

Resultat: x = 24 h = 600

95% K. I for P; ho,025 = 1,96

PE(0,024; 0,056), ≈(15%)

POP.



12.32 Hem stort n behins for att

$$P \in (P^* \pm 0.005), (\approx 95\%)$$

a)  $P$  otand

 $P \in (P^* \pm 0.005), (\approx 95\%)$ 
 $P \in (P^* \pm 0.005$ 

12.33 
$$X = antal Dorgerliga Symp. Obet,  $X \approx B.in(1784, P_1)$   
 $Y = antal Dorgerliga Symp. Now, Yar B.in(1689, P_2)$   
 $Y = \frac{X}{1704} \approx N(P_1) \frac{P_1(1-P_1)}{1704}$   
 $P_1 = \frac{X}{1704} \approx N(P_2) \frac{P_2(1-P_2)}{1689}$   
 $P_2 = \frac{X}{1689} \approx N(P_2) \frac{P_2(1-P_2)}{1689}$   
 $P_1 - P_2 = O^2$ ,  $9.5 \text{ k.} T$   
 $P_1 - P_2 = \frac{X}{1704} = \frac{X}{1689} = \frac{X}{1704} = \frac{X}{1689}$   
Resultat:  $P_1^* = 0.465 = P_2^* = 0.456$   
 $P_1 - P_2 \in O_1465 - O_1456 \pm 1.96 = O_1456 =$$$

 $P_1 - P_2 = 0$ Okand Parameter K. I Skatturing + Tabell- medel-av, u Varde lel, ux Normalfordelmig? JANEJ JA  $V \neq ANDZ$   $V \neq ANDZ$  Ex tecken enter vall for medianen, m  $|X_{c}^{*} \in N(le; \sigma), \nabla O \notin And$   $M \in (X + t(15) \frac{3}{\sqrt{16}}), (95\%)$ 12.18 Zi = Plant langd  $\Sigma_{i} \in (\mathcal{L}, \mathcal{T})$ Storletes ordnow stick provet  $P(X_i \leq m) = 0.5$ Velken konfidensgræd  $m \in (X_{(1)}; X_{(16)})$ Man dessa entervæll?  $m \in (x(z) | x((s)))$