```
11. Gavornes:
                  ACB=)P(A) & P(B) | P(AUB) = P(A) + P(B) - P(A)B)
   P(A)=1-P(A)
   P(0)=0
                   P(A) = 1 | P(A-B) = P(A) - P(A)B)
        P(AUBUT)=P(A)+P(B)+P(T)-P(ANB)-P(ANT)-P(BNT)+P(ANBNT)
  P(A/B) = P(A/B) | P(A/B) = P(A/B) · P(B) | P(B/A) = P(A/B) · P(A/B)
  P(AMBAT) = P(A) · P(B/A) · P(T/AMB)
     L>P(A, nAzn. nAn) = P(A) P(Az/Ai) · P(Az/AznA) · ... · P(Az/AznAzn. nAn-1)
Hia ouvaipenon f siva Titl av: fx(x)>0 txell in fx(x)dx=1
Europenon Karavojuis in Abpointin IT. II: Fx(x) = P(x(x)) = (x) fx(t) dt
p-Exazo oznijepio: 1-00 fx(x)dx=100 in F(xp)=100 inou p E 25:
Porin 3-zeifns: E(xx) = fxxfx(x)dx
Χενερική ραπά χ-ταξης: Ε[(x-μ)"]= (-00 (x-μ)". fx(x)dx
Διανομανοίη: Var(x) = E[(x-μ)2] = (x-μ)2. fx(x)dx = E(x2)-μ2
             Var(ax \pm b) = a^2 Var(x)
  Y= g(x) -> grnois poiozorn -> 54(Y) = f(g-1(4)) (4)
  · Ομοιομορφη: fx(x)= 1/8-α, αεχεβ, x~u(α,θ)
 · Eulecinn: fr(t)=1.e-1x(t) x(t)>0 non Fr(t)=<0
     L>1410THTA: P(x>a+B/x>a)=P(x>b), a,b>0
 Weinbull: f_{x}(x) = a \cdot b^{\alpha} \cdot x^{\alpha-1} \cdot e^{(6x)^{\alpha}} \times 0 No. f_{x}(x) = 1 - e^{-(6x)^{\alpha}}
 · Bavovikin (Gauss): fx(x) Z= X=H
                                        , x~N(µ,0-2)
   > P(x, < x<x2) = P(x-μ < x-μ < x-μ) = P(z, < Z<z2) = φ(z2) - φ(z1)
      P(z \leq \alpha) = P(z > -\alpha) = \varphi(\alpha)
                                  P(a<2<br/>b) = 9(6)-9(0)
      P(z>a) = P(z<-a) = 1-q(a) | P(-a<z<-b) = q(a)-q(b)
                                  ||P(|z| < \alpha) = 2\Phi(\alpha) - 1, P(|z| > \alpha) = 2(1 - \Phi(\alpha))
      P(-a<Z=B) = P(a)+9(B)-1
Libornipara Epitiococivis
                         DIGITATION ENTITIONS
                        x-Za12 Frenc X+Zolz Fr
Bavorini per o xvwoch
                                                                   Zel/2
    >> _ o ayrworn I Avzi yia o ~> S
Dayopa pirous cipies 2 x-y-Zajz on chix-q+Zajz on
Souvori Min That for, or your Onou on = John our
           or agrades of Avzi yie o - PS
                                                                  Zes
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£30	1 5 - 5 1	
Karovinn pr o agrinos	n x-tn-1, a/2 vn < p(x+4n-1, a/2 vn	they a
Lo Suropa pe cyrmozes ices	x-g-tn+m-2, a/2 Sp- 12+12 epicxy+	tn+m-2, ce
Sianopavous	45 Oroco on Sp= \(\int \frac{(n-1) \Sy^2}{n+m-2}	0=(0)9
5 » agrinoces		(quartr) e
Sianopairous	$L > O_{\pi o \nu} c$ $\left(\frac{S_{\kappa}}{n} + \frac{S_{\kappa}}{m}\right)^2$	N 4/8) - P(408)
•	$\frac{1}{n-1} \left(\frac{S \times^2}{n} \right)^2 \frac{1}{n-1} \left(\frac{S + 2}{n} \right)^2$	PLANKARDS
E japznyeva Seizpaza	1 - tn-1, a/2 · 50 = c/c d+6n-1, a/2 · 50	tn-1, est
Jerino	0700 5= 1 · E(x-x)e	Pla Commenta
Mexelos Aciquazos	1.2° ap 00°2 [Av o agrinozo uai	Mineo Fring - 5]
40 Onov E: Expos	2.Zazo Mezazonin de Tiln	
L'Evallanzinci, pi	E REGOVERYNOW $\rightarrow n = \frac{4 \cdot Z^2 a/2 \cdot P^*(4-P^*)}{6^2}$	
ELEXXOS YHOGEOGUN		- see P. o
		p-value
4> Z= Z-ke		= 2[1-\P(z)]
	pix=plo pix>pis Z>Za = p:	$=1-\varphi(z)$
12/AV n>30 OTTON 0~25	Tristo treto scso 6.	= 9(z)
Triction avadogius:	p=p0 p +p0 z1 >Z4/2	1
Z=3-Po	p=p0 p>p0 Z>Zq	2 - X
\ <u>E(1-13)</u>	P=R p <p0 2-z01<="" td="" z=""><td></td></p0>	
	PP.=Po PP. +P8 2 > Z0/2	VHTV/
2- 191 - 92 - Po	Pi-Pz=Po Pi-Pz>Po Z>Za	x) x daisW =
	Pi-Pz=Po Pi-Pz <po td="" z<-a<=""><td></td></po>	
Auxhazini Zovsvan		(x, x x x x)
R = STAGE ~> EUV	redson's organizarions Pourson us	-1 <r<19< td=""></r<19<>
4>01100 Stree = 1	7 (x-x)(a,-a) (b) -1=(b-25)	9=(0<5)9
AV BE	-7 2 (x,-x)(x,-ie) [-1,-c,c] 10 xupi aprining coexection [0.6, 1] 0 xupi desiral orderection > Ser 0 xeei 5000001	(1) - N - N - N - N - N - N - N - N - N -
Fulling charisment	- SEV 0X821)0V201	0.82
Long Sxy	zεσραγώνη: g=lo+l,x+e = σσος=β., lo=g-l,x, Sxg=[\(\bar{z}\)xy]-n\(\bar{z}\)g, S	-15.27-122
osecovojin roisson:	$f_{\times}(x) = e^{-\lambda} \frac{\lambda^{2}}{\lambda!} \qquad \lambda = F(x) = Var(x)$	n!
Augustanan Arzaven	$f_{X}(x) = \binom{n}{x} p^{x} (1-p)^{n-x} \text{ into } \binom{n}{x} = \binom{n}{x}$	$=$ $\times !(n-x)!$
1 STORESTOP	nocio Pois(x=np=4)	S Variety London A
4> Av n >100 mg	V mari	
4> Av n >100 mg	apiθμies saronini N(np, np(1-p))	VIII VIII VIII VIII VIII VIII VIII VII