1. Pabromephoe pacapegenence $X \sim U(a,b)$ $f(x) = \begin{cases} \frac{1}{b-a}, & x \in [a,b] \end{cases}$ $f(x) = \begin{cases} 0, & x \notin [a,b] \end{cases}$ Φ -s pachpegenerum $F(x) = \begin{cases} 0, & x < a \\ x-a, & a < x < b \end{cases}$ 1, X > 6 Mam. omugarue # Ex = a+b $\mathbb{D}_{\text{nonepous}}$ $\mathbb{D}_{X} = (b-a)^{2}$ Биношинальное распределение x~ B(n,p) O-us pacup. : P(x=k) = Chpq Mam. omuganue Ex = np Dx = np(1-p)Ovenep aus Pachegenenne Myaccona $\times \sim P(\lambda)$, $\lambda \in (0, +\infty)$ Q-e behalmuocmu p(x-k) = e-x, k Q-u pacup-u $F(k) = \Gamma(k+1, \lambda)$, $uge = \int_{k+1}^{\infty} \int_{k+1}^{\infty}$ Mam. omuganue EX = 1 Onenepour DX = 1

4. Hopmanonoe pacupagemente $\times \sim N(M,G^2)$ Promisemb $f(x) = \frac{1}{6\sqrt{2}\pi} \cdot \frac{(x+u)^2}{26^2}$ P-e pacy. F(x)= 1 (1+ erf(x-m)), rge erf(x)= 2 get df Mam omuganue IEX = M Ducnepaux DX = 62 Frenomeny nautonce racip-e $x \sim Exp(\lambda)$ Nromhound $f(x) = \begin{cases} \lambda e^{-\lambda x}, & x \ge 0 \\ 0, & x < 0 \end{cases}$ Φ -e pacep-e $F(x) = \begin{cases} 1 - e^{-x}, & x > 0 \\ 0, & x < 0 \end{cases}$ Mam. omuganue EX = 1 Oveneficial $DX = \frac{1}{x^2}$