30 gara 1 · U (a,b), Q= (a,b) d=2=>13 regage nomerol come is 2° ypi E(X,) = XDue perbron, pacep: $E(x) = \frac{8+b}{2}$ $\langle F(X'_s) = X_s \rangle$ $E(x^{2}) = D(x) + E(x) = \frac{(b-a)^{2}}{12} + \frac{(a+b)^{2}}{4} = \frac{a^{2}+ab+b^{2}}{3}$ 4×2-4×.0+6,+3×10-1,3/2=3×3 Ps - 9x P + 7x - 3x =0 $b = \overline{X} + \sqrt{3}(\overline{X^2} - \overline{X^2}) = \overline{X} + 2\sqrt{3}, \text{ rank}$ $S = \frac{1}{N} \sum_{i=1}^{N} (x_i - \overline{X})^2$ 7. R. 620, 40: [Q = X - J3(X2-X3) 1 b = x + J3(x2-x2)

 $\hat{\Theta} = (\bar{x} - SJ3, \bar{x} + SJ3)$

· P005 (@) d=1: E(x)=天 |=> $\hat{\Theta}=\overline{\times}$ @ ger Pois(O) • $\mathcal{N}(Q, T^2)$, $\Theta = (Q, T)$ Dee $\mathcal{N}(Q, T^2)$: E(x) = x $E(x') = x^{2}$ E CXN = Q = 1, + 8, = (x') = (x') + (x') = $= \begin{cases} Q_s + q_s = X_s \\ Q = X \end{cases} = \begin{cases} Q = X \\ Q = X \end{cases}$ 30gera 2 Pois (0): 10 354: X = (x) = 0 3 korus, 6 Po-MH. N(8/2): 10 354: \(\times \frac{P_0-n.n}{\text{K}} \frac{F(\times_i)}{2} = \(\text{A}\) Xs B-nn [(X1) = 03+03 Torga

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\sigma^2 - \times^2 \\
\sigma^2 - \times^2 \\
\sigma^2 + \sigma^2 - \alpha^2 = \sigma^2
\] Takun oppazan, Ogense elu. austo

everto est entro

Posnumen
$$\overline{X}_s - \overline{X}_s = S_s = \frac{1}{2} \sum_{i=1}^{\infty} (x_i - \overline{X})_s$$

$$\overline{X}^{2} = \frac{1}{N^{2}} \cdot \left(\sum_{i=1}^{n} X_{i} \right)^{2} = \frac{1}{N^{2}} \left[\sum_{i=1}^{n} X_{i}^{2} + 2 \sum_{i \neq j} X_{i} X_{j} \right]$$

$$(\mathcal{E}): \frac{1}{N} \sum_{i=1}^{n} (x_i - \overline{x})^2 = \frac{1}{N} \sum_{i=1}^{n} (x_i^2 - 2\overline{x} \cdot x_i + \overline{x}^2) =$$

$$= \sqrt{\sum_{i=1}^{n} x_i^2} - \frac{2x}{N} \sum_{i=1}^{n} x_i + \sqrt{\sum_{i=1}^{n} x_i^2} =$$

$$=\frac{1}{N}\sum_{i=1}^{N}x_{i}^{2}-\frac{2}{N^{2}}\left(\sum_{i=1}^{N}x_{i}\right)^{2}+\frac{1}{N^{2}}\sqrt{N}^{2}=$$

$$= \frac{1}{N} \sum_{i=1}^{N} x_{i}^{2} - \frac{2}{N^{2}} \left(\sum_{i=1}^{N} x_{i} \right)^{2} + \frac{1}{N^{2}} \left(\sum_{i=1}^{N} x_{i} \right)^{2} =$$

$$= \sqrt{\sum_{i=1}^{n} x_i^2 - \sqrt{\sum_{i=1}^{n} x_i^2}} = \sqrt{\sum_{i=1}^{n} x_i^2} = \sqrt{\sum_{i=1}^{n} x_i^2} = \sqrt{\sum_{i=1}^{n} x_i^2}$$