| Juno 201 | L . | | | | | | |
|--------------------|----------------|-------------|-----------|---------|----------|--------|-----------|
| [0,2] [0, | 1] (1 | -12] (| 2,4] | Mas de | 4 Hm. | | |
| (2,6] | 0 2 | 2 | 2 | 0 | | _ | |
| (6,103) (10,00) | 2 | 2 | 0 | 0 | | | |
| Ajustar re | da R-a | 1 +6H de | min. cuad | rades y | esternor | bondad | del ajude |
| b) Ajustar. R | | | | | | | |
| C) Media y | varion2a pa | va H>2 | | | | | |
| a) R = a + b | 1) o 4 | J ZH: // | b = (ZR. | N= | 16 | | |

a)
$$R = a + bH - o$$
 (N Z_{Hi} D Z_{Hi} D Z_{Hi} Z_{Hi} $Z_{Hi} = 16$
 Z_{Hi} Z_{Hi^2} Z_{Hi^2} Z_{RiHi} $Z_{Hi} = 16$
 $Z_{Hi^2} = 900$
 $Z_{Ri} = 32$
 $Z_{Ri} = 32$
 $Z_{Ri} = 32$
 $Z_{Ri} = 120$
 $Z_{Ri} = 120$

$$\frac{C - Cov(x_{13})}{C_{x} C_{y}} = \frac{y_{y1+x_{3}}}{C_{x} C_{y}} \frac{y_{y1} - \frac{z_{x_{1}+1}}{N} - \frac{170}{16}}{\frac{170}{N} - \frac{170}{16}} = \frac{7.5 - 6.75 \cdot 2}{\frac{1}{1} \cdot \frac{1}{1} \cdot \frac{1$$

b)
$$R = \frac{C}{d + H^2} = D \frac{1}{R} = \frac{d + H^2}{C} = D \frac{1}{R} = \frac{d}{C} + \frac{H^2}{C} = \frac{1}{6} = \frac{1}{6}$$

$$\frac{6}{6} = \frac{1}{6}$$

$$\frac{1}{8} = \frac{1}{6} = \frac{1}{6}$$

R-1-MSE = 1 - Zein - 1 - Zin-ye)2

- 1 - Zein - 1 - Zin-ye)2

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

- 22

| MI | | | | | R | | |
|-------|---------|---------|---------|---------|------|-------|----------|
| K | 0,5 | 1,5 | 13 | E | | | |
| 1 | 0 - | 0 | -111189 | 0,0808- | 101- | 3,257 | 1+52 |
| 2 | 0,595, | -0,7159 | (,881 | 0 | | V | |
| 13 | 10/3/ | 3,284 | 0 | D | 307 | | 1 |
| - 121 | 4, 5951 | 7,284 | 9 | 5 | - C | 0 | 0 |
| 7 | 1 | | - | | | 0 | - 1,4318 |

Zei-

| 3 V 7 | | 1 | ١ | |
|-------|---------|----------|---------|--------|
| | 0= | 0 | -2,2378 | 0,1616 |
| - | 0 | - 1,4318 | 3,762 | 6 |
| | 1,1902 | 6,568 | 2 | 0 |
| | 13,7871 | 7,781 | 0 | 0 |

$$F(x) = P(z \le x) = \begin{cases} 0 & x < 1 \\ k(x-1)^2 & 1 \le x \le 12 \end{cases}$$

Quartel 1 (Q1) y media

9.

5) Prob. de qui tarde menos de 10 años, habrendo durado mais de 5años

$$\Gamma(Q_1) = 0,25 = 0$$
 $\frac{1}{121}(Q_1 - 1)^2 = 0,25 = 0$ $Q_1^2 - 1 = 30,25 = 0$ $Q_1^2 = 29,25 = 0$

$$\frac{1}{|2|}(x-1)^{2} = \frac{2}{|2|}(x-1)$$

$$E(x) - \int_{121}^{12} (x-1) dx = \frac{7}{121} \int_{1}^{12} x^{2} \times dx = \frac{7}{121} \left[\frac{x^{3}}{3} - \frac{1^{2}}{2} \right]_{1}^{12} = \frac{2}{121} \left(\frac{12^{3}}{3} - \frac{1^{2}}{2} \right) = \frac{2}{121} \left(\frac{12^{3}}{3} - \frac{12^{3}}{2} \right) = \frac{2}{121} \left(\frac{12^{3}}{3} - \frac{12^{3}}{3} - \frac{12^{3}}{3} \right) = \frac{2}{121} \left(\frac{12^{3}}{3} - \frac{12^{3}}{3} - \frac{12^{3}}{3} - \frac{12^{3}}{3} - \frac{12^{3}}{3} \right) = \frac{2}{121} \left(\frac{12^{3}}{3} - \frac{$$

$$\frac{5}{P(z-5)} = \frac{P(z-2c10)}{P(z-5)} = \frac{F(10) - F(5)}{1 - F(5)} = \frac{\frac{1}{121}(10-1)^2 - \frac{1}{121}(5-1)^2}{1 - (\frac{1}{121}(z-1)^2)} = \frac{13}{27} = \frac{0.619}{1.619}$$

(3)
500 productos

Xrop(X)

Max DA

Algun Defectuoss -0P(2=1)=0,613259

a) Modiu y varianta de Z

5) Prob. de encontrar mas de 1 elements defectuos

Si comprenos 50 de 500. Prob de encontrar + de 5 conteniondos más do un elemento defectuoso.

a) $S_i P(2 > 1) = 0,613259$

P(2=0)=1-0,613259=0,386741

 $(x) \sim P(x) \sim P(0) = e^{-x} \cdot \frac{x^{0}}{0!} = 0.386741 = 0 e^{x} = 0.386741 = 0$

= = $\ln(0.386741) = D - \lambda = -0.95 - 0 \lambda = 0.45$

Distrib. Poison, media = vorionza

b) $P(z > 1) = 1 - P(z = 0) - P(z = 1) = 1 - e^{0.95} \cdot \frac{+0.95}{0!} - e^{0.95} \cdot \frac{0.95}{1!} = 0.24585$

90 = 50 p = 0.24535

X~0B(np, Tnpg) -o grande

X~0B(12.2925, 3.04471)

P(2>5) = P(2-47505) = P(2'> -2,23) =

=1-P(2'>2,23)=1-0,0129=0,987L

en la regulado (negate)

Scanned by TapScanner

A: 10 elementos, M= 0,5g, 52-0,01g. por ach 100g. B: 16 elements, M=0,45y., 52-0,0664g. 11 "11 The Me no debe pasar 0,38gr. por code 100gr. 0110 = X a) Contrastar contendo medio en A es mayor de 0,38 1, 1, 1, 11 11 gro en B Contraste de hipotesis para la medic Hama > Mo (mo-0,38) Ectodistico: X-100 > tozin-1
Varionso desc. Vin
Poquinos ·Valor experimental: $\frac{0,5-0,38}{\sqrt{0,01}} = 3,7947$ -RR $\frac{1000}{t_{0/1},n_{-1}} = t_{0,05,9} = 1,833$ · Cor Dusin. 3,79947 ERR -0 Recharans Ho, A es mayor de 0,30 D'Entraste hiptess de equaldad de malis, (arimaios?), mustros pequinas Ho MA = MB (establic): $\frac{X_1 - X_2}{Sp[\frac{1}{n_1} + \frac{1}{n_2}]}$ to, $\frac{X_1 - X_2}{N_1 + n_2 - 2}$ to $\frac{X_2}{N_2} = \frac{0.01}{0.000} = 1.5625$ Valur experimental. Sp = (n_1-1)S12+(n_2-1)S12 = 9.0,01+15.0,0064 - 0,088 | 5-01/2,9,15 = 6.95,9,15 = 1.0,200,0004 - 0,088 0,088/10+76 - 1,4089 FO1, 19, 15 = 15.05, 9, 15 = 2,588 1,40896RR -0 A es mayor que B 1,5625¢ RR -s variams agrades

Scanned by TapScanner