Stat-205 - Final

$$M(x) = \begin{cases} \frac{e^{2t}}{a^{2t}} & \text{if } \neq 0 \\ \frac{e^{2t}}{a^{2t}} & \text{if } \neq 0 \end{cases}$$

$$= \begin{cases} \frac{e^{2t}}{a^{2t}} e^{2t} & \text{if } \neq 0 \\ \frac{e^{2t}}{a^{2t}} e^{2t} & \text{if } \neq 0 \end{cases}$$

$$50, \quad \alpha = 0, \quad \delta = 2$$

$$F(x) = \begin{cases} \frac{1}{2} & \text{if } \neq 0 \\ \frac{x}{2} & \text{if } \neq 0 \end{cases}$$

$$K = \begin{cases} \frac{e^{2t}}{x^{2t}} e^{2t} & \text{if } \neq 0 \\ \frac{x}{2} & \text{if } \neq 0 \end{cases}$$

$$M = \begin{cases} \frac{e^{2t}}{x^{2t}} e^{2t} & \text{if } \neq 0 \\ \frac{x}{2} & \text{if } \neq 0 \end{cases}$$

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$$6^{2t} = \begin{cases} \frac{e^{2t}}{x^$$

Alata vet final

3. Here m= = 2 x300 = 200 MY = 0.75 x 200 = 150 B = 0.75 1-x=0.9 $q(242) = \frac{2-x}{2} = \frac{2-0.1}{2} = 0.95$ => 242 = 1.645 eI; = 0.75 ± 0.0504 30 the CI is [0.6996, 0.80047

0.6996 £ p £ 0.8004

dictard in and

For a men cooker the foron will go for the manufacturen. So, the problem is of left tailed.

p(2 > - 2 = -0.1) $\Rightarrow p(2 < 2 = 0.9)$ $\Rightarrow p(2 < 2 = 0.9)$ $\Rightarrow p(2 = 0.9)$

 $M = 100 \times 0.9 = 90$ $6 = \sqrt{100 \times 0.9 \times 0.1} = 3$

Ho will be accepted for

9 (1) 1 7 7 - 20

=> X-14 > - 2x

=> x74-2x6

=> X > 80 - 1.28 x 3

- 10 1/1 82 19 1/2 40 VI

27 X7 86.16

50, if at least 87 cooker work well, we will accept the claim of the manufacturer.

5. class 61-65 66-70 71-75 76-80 81-85 Original 60.5-65.5 65.5-70.5 70.5-75.5 75.5-90.5 80.5-15 19 Frehmeney 8 23 42 51 56 cumulative & freamency (19) P

Draw the eumulative freamency polygon and Listogram. Then from the graph Ne Lave 1 (- (A)) (A - A)

D3 = 68.43 Mo = 712 Mo = 71.93

31.38 84 K=

so if al hant est feether went well in when recent the equin of the boose they

All the said of the