| Statistics & Inferencing Activity#04 |
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| Ali Mulammad food |
| aa 07190 |
| |
| Q1) Breaking ~ N(µ, 0°) 022, u29, x293, |
| $=$ $\frac{(00(1-\alpha)/\alpha}{4575}$ |
| => (-x = 0.95 =) az 0.05 1/2 z 0.025 |
| |
| - 20°45 - 20°4 |
| 20.025 20.025 20% |
| |
| <u>96.69 ≤µ≤99.31</u> |
| |
| Q2) Life ~ N(µ, 62) 6225, u220, x=1014 |
| (a) 95% Confidence Interval |
| |
| 1014 - 342 (35) 5 M (50) 5 1014 + 272 (35) |
| 1003.043 = N = 1024.957 |
| (b) Zaz 1.6449 => ME 1014 = Za (25) |
| |
| µ ≥ 1004.805 |
| (c) 220.05 0/220.025 |
| 101/2 x+ th (4) x+th (5) - 22 6/5 |
| /(1) 2 \(\frac{1}{\text{Y}} + \frac{24}{24} \) (\frac{6}{\text{Y}}) - \(\text{X} + \frac{24}{24} \) (\frac{6}{\text{Y}}) = 2 \(\text{Z}_{1/2} \) (\(\frac{5}{\text{Y}} \)) = 6 |
| 1.96 (25/Nh) 23 =) Nu 23255 |
| Ju 2 16.83 2> uz 266.78 |
| 7 |
| Q3) uz12 x z 2259.92 |
| (a) Sz u-1 Z (X; -X)2 2 12-1 Z [x; -2259.92]2 |
| =) Sz1256.17 |
| ta/2,012-1 = 2.2010 |
| ta/2,012-1 z 2.2010 2259.92-も気がらル 2259.92+ もくがなり |
| 2237.400cm < 2282.44 |
| |
| (b) to, 12-1 = 1.7595, 52 1256.17 |
| µ > 2259.92 - + (√ 5/2) |
| M> 2241.9 |
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