

$$ME = \pm 15 sec$$

$$\sqrt{N} = 1.75 \times 3.6 \times 60$$
15

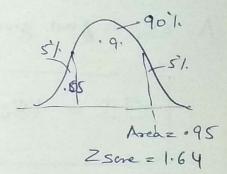
$$\int N = 635$$

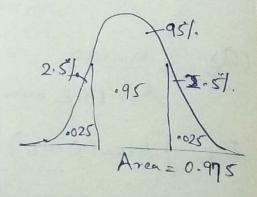


$$.02 = 1.64 \times \sqrt{0.5 \times 0.5}$$

$$N = (\frac{1.64}{.02})^2 \times 0.5 \times 0.5$$

$$N = 1681$$





M 2 4 .95, 1.02, 1.01, .98 M= .95+ 1.02+1.01+.98 2 0.99 $6^{2} = (.95 - .99)^{2} + (1.02 - .99)^{2} + (1.01 - .99)^{2} + (.98 - .99)^{2}$ = ·0016 + ·0009 + ·0004 + ·0001 2 100075 5 z · 027 95% CI = M ± 1.96 × 6 (a) z .99 ± 1,96 × . 627 (b) Yes., Lot of variation of sample dates from mean.

