

Application of the
Limit Theorem



César



Célio



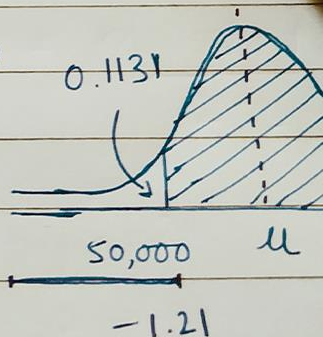
Elan

Normal Distribution.

$\mu = 58200$; $\sigma = 6750$; $P(X \geq 50000)$

$$Z = \frac{X - \mu}{\sigma} = \frac{50000 - 58200}{6750}$$

Z



$$\Rightarrow 1 - 0.1131 = 0.8869$$