

ICS Part 2 Statistics Chapter 10 Online Test

Sr	Questions	Answers Choice
1	Normal distribution ranges from_____.	A. 1,2,3,..... ∞ B. $-\infty$ to $+\infty$ C. 1,2,3,.....n D. None of these
2	In a normal distribution $\beta_1 = 0$ and $\beta_2 =$ _____.	A. 2 B. 4 C. 3 D. 5
3	The shape of the normal distribution is like	A. J. B. L C. bell D. circle
4	All odd order moments about mean are	A. unique B. zero C. different D. one
5	Normal distribution is	A. unimodal B. bimodal C. trimodal D. multimodal
6	The normal distribution is a bell shaped_____ distribution.	A. Discrete B. Continuous C. Symmetrical D. Skewed
7	Total probability under the normal curve is	A. 1 B. 0 C. -1 D. >∞
8	The point of inflection in normal distribution are _____.	A. $\mu - \sigma, \mu + \sigma$ B. $\mu - \sigma, \mu + 2\sigma$ C. μ, σ D. None of these
9	The normal distribution is a _____.	A. Positive B. Negative C. Discrete D. Continuous
10	In case of normal distribution the area to the left of the mean and area to the right of the mean is	A. positive B. negative C. equal D. unequal
11	The maximum ordinate of a normal curve is at $X =$ _____.	A. μ B. σ C. \bar{X} D. S.D
12	$P(Z > a) =$	A. >2>$\theta(a)$&nbsp;- 1 B. >$\theta(a)$ C. >$\theta(a)$

font-family: 'Lucida Sans Unicode', 'Lucida Grande', sans-serif; font-size: 18px; line-height: 23.390625px;">2σ (-a)

D. 1-ø(a)

13	The maximum ordinance of the standard normal Curve is at Z = _____.	A. 1.96 B. 2.33 C. 1 D. 0
14	In a normal distribution, _____ = $\mu + 0.64745 \sigma$	A. Q_1 B. Q_3 C. μ D. σ
15	$P(\mu - 2\sigma < X \leq \mu + 2\sigma) =$	A. 0.6827 B. 0.9545 C. 0.9973 D. 0.9827
16	In case of symmetrical distribution	A. μ_1 = μ_2 = μ_3 = μ_4 B. β_1 = β_2 C. P_1 < P_2
17	<input type="text" value="Question Image"/>	A. β_1 B. β_2 C. β_3 D. S_k
18	For normal distribution mean always lies between.	A. Median and mode B. Median and Q_1 C. Median and Q_3 D. None of these
19	If $X \sim N(50, 25)$, then $\sigma =$ _____.	A. 3 B. 5 C. 25 D. 50
20	The mean deviation (M.D) of a normal distribution is _____.	A. $\frac{4}{5}\sigma$ B. $\frac{5}{4}\sigma$ C. $\frac{2}{3}\sigma$ D. None of these