

ICS Part 2 Statistics Online Test

Sr	Questions	Answers Choice
1	In moving average method, we cannot find the trend values of some:	A. Middle periods B. End periods C. Starting periods D. Between extreme periods
2	For a least squares linear trend Y = a + bx, the $\Sigma(Y - Y)^2 = 0$ when:	A. All the Y-values are positive B. All the Y-values lie on the line C. All the Y-values lie above the line D. None of these
3	The additive model of the time series is:	A. Y = T + S + C + I B. TSCI C. Y = a + bX D. Y = a + bX + cX ²
4	The trend values in freehand curve method are obtained by:	A. Equation of straight lineB. Second degree parabolaC. SignalD. Graph
5	The multiplicative time series model is:	A. Y = T + S + C + I B. TSCI C. Y = a + bX D. Y = a + bX + cX ²
6	The rise and fall of a time series periods longer than one- year is called.	A. Secular trend B. Seasonal variation C. Cyclical variation D. Irregular variation
7	For a least squares linear trend Y = a + bX	A. $\Sigma Y = \text{\ }; \Sigma Y$ B. $\Sigma Y = 0$ C. $\Sigma Y \text{\>}; \text{\ }; \Sigma Y$ D. None of them
8	For a least squares line trend Y = a + bx, the b is the:	A. Intercept B. Slope C. Variable D. Trend
9	In a straight line equation Y = a + bX; a is the:	A. X - intercept B. Slope C. Y - intercept D. None of them
10	The systematic components of time series which follow regular pattern of variations are called:	A. Noise B. Signal C. Additive model D. Multiplicative model
11	Increase the number of patients in the hospital due to heel stock is:	A. Seasonal trend B. Secular trend C. Cyclical movements D. Irregular variation
12	In time series seasonal variations can occur within a period of:	A. Nine years B. Four Years C. Three years D. One year
13	The unsystematic sequence which follows irregular pattern of variations is called:	A. Noise B. Signal C. Linear D. Non-linear
14	In the measurement of secular trend the moving averages:	A. Give the trend in a straight line B. Measure the seasonal variations C. Smooth out a time series D. None of these
15	The secular trend is measured by the method of semi-averages when:	A. Time series contains yearly value B. Trend is linear C. Time series contains odd number of values

A. 2 B. 3 C. 4 D. 5 A. Histogram
The graph of time series is called: B. Historigram C. Straight line D. Ogive