

EXL Data Analyst training : Test 3 – 50 Marks : 90 Minutes

1. Which is not a Hypothesis

1. Research 2. Judgement 3. Substantive
4. Statistical

ANS :

2. Approach used in Hypothesis is

1. HTAG 2. HTAB 3. HTUB 4. HTED

ANS :

3. Null Hypothesis Always contains

1. != 2. = 3. > 4. > and <

ANS :

4. Default Significance level Alpha assumption is

1. [0.5] 2. [0.05] 3. [0.01] 4. [0.025]

ANS :

5. When we fail to reject a false null hypothesis it is “_____”

1. Correct 2. Type I Error 3. Type II Error
2. 4. Power

ANS :

6. Excel gives p value in terms of

1. [1-Alpha] 2. Alpha 3. Alpha/2 4. All

ANS :

7. How many steps r there is Hypothesis testing ?

1. Five 2. Six 3. Eight 4. Seven

ANS :

8. The value of df in T Dist is “_____”

1. N-n 2. n 3. n-2 4. n-1

ANS :

9. Which test to select for “means” when “s” is unknown for single population

1. F Tests 2. Chi²Test 3. Z test 4. T Test

ANS :

10. Power is

1. [1-beta] 2. [beta] 3. [1-alpha] 4. [alpha-beta]

ANS :

11. How many samples are being analysed in ONE Way ANOVA

1. {k*n} 2. {k} 3. {k-1} 4. {k²}

ANS :

12. Rejecting a True H₀ is

1. Correct 2. Type I 3. Type II 4. Power

ANS :

13. Accepting a False H₀ is

1. Correct 2. Type II 3. Type I 4. Power

ANS :

NAME :

ROLL No :

BRANCH :

Q1 to Q25 – 1 Mark Each

Q 26 – 5 Marks

Q 27 & 28 – 10 Marks Each

No Negative Marks

14. Which is more formal way a Hypothesis

1. Research 2. Statistical 3. Substantive
4. Judgment

ANS :

15. In One way Anova SST is

1. SSC/SSE 2. SSE*SSC 3. SSE+SSC 4. SSE-SSC

ANS :

16. Explained Variance is

1. F Value 2. SST 3. SSC 4. SSE

ANS :

17. UNExplained Variance is

1. F Value 2. SST 3. SSE 4. SSC

ANS :

18. Between Group Variance is

1. F Value 2. SST 3. SSE 4. SSC

ANS :

19. Within Group Variance is

1. F Value 2. SST 3. SSC 4. SSE

ANS :

20. Skewness of F Distribution is

1. Positive 2. Negative 3. Zero 4. ALL

ANS :

21. F tables in ANOVA are “_____” for different values of Alpha

1. SAME 2. DIFFERENT
3. CONSTANT 4. UNKNOWN

ANS :

22. Directionless test is

1. ONE tail 2. TWO tail 3. Many tail 4. ALL

ANS :

23. Directional test is

1. TWO tail 2. ONE tail 3. Many tail 4. ALL

ANS :

24. Default assumption of H0 during test is

1. FALSE 2. TRUE 3. Invalid 4. Unknown

ANS :

25. Numerator degree of freedom v1 =

1. N-c 2. N-n 3. n-1 4. n-2

ANS :

26. Briefly explain all the steps involved in Hypothesis Testing ?

27.1 – Write the Decision table for Hypothesis testing ?

27.2 – Write the Z and T formulas used in Testing for Differences ?

27.3 - Write the formula to find the F Value in F Test for two population variance ?

27.4 – What is ANOVA and define 3 types of Experimental designs ?

27.5 – Explain the different types of variables used in ANOVA ?

28. Write all the mathematical computational formulas of ONE WAY ANOVA listed below ?

SST =

SSC =

SSE =

dfC =

dfE =

dfT =

MSC =

MSE =

F =