



RESEARCH METHODOLOGY WORKSHOP

DATA ANALYSIS USING SPSS



Bridging Today & Tomorrow

A TWO-DAY WORKSHOP ON APPLICATION OF BASIC STATISTICAL METHODS INCLUDING UNDERSTANDING OF DATA, PRINCIPLES OF DATA ENTRY INTO SPSS, DATA ANALYSIS USING SPSS AND TO SUCCESSFULLY INTERPRET AND COMMUNICATE THE RESULTS OF STATISTICAL ANALYSIS.

WHEN : 13 & 14 DECEMBER 2018, 9:30 AM TO 5:30 PM

WHERE : SREE GOKULAM MEDICAL COLLEGE AND RESEARCH FOUNDATION

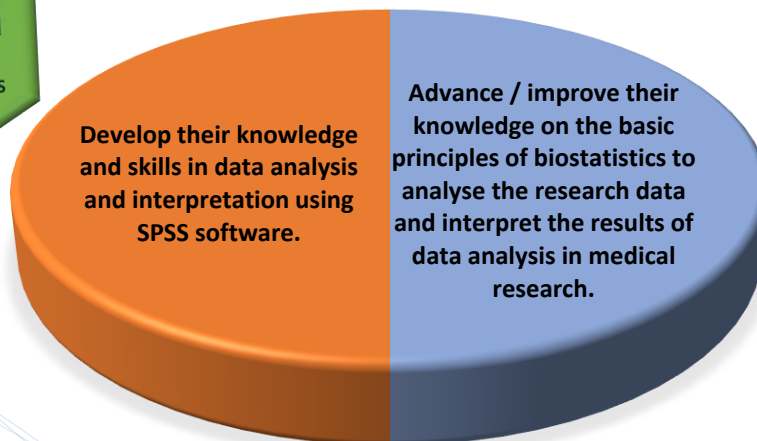
VENJARAMOODU PO, THIRUVANANTHAPURAM

WHO SHOULD ATTEND!
Medical Researchers
Academics
Post Graduate Students

The aim of this workshop is to provide confidence in

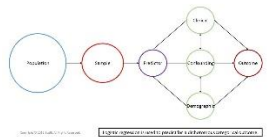
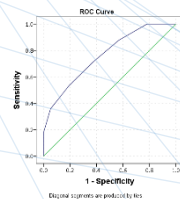
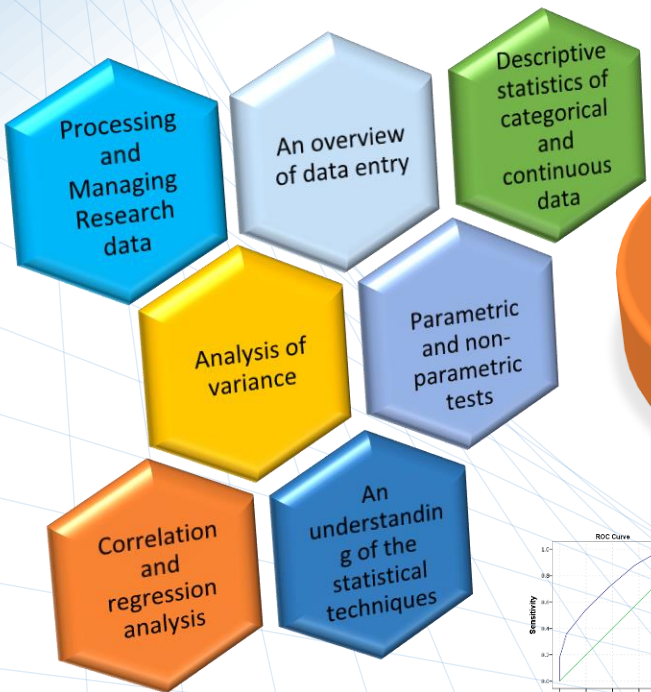
MAIN OBJECTIVE!

AT THE END OF THE WORKSHOP, THE PARTICIPANTS WILL BE ABLE TO



TOPICS

1. Introduction to SPSS software and interface – Hands-on session
2. Introduction to data, variables, types of variables and scales of measurement - PPT
3. Opening Excel data in SPSS – Hands-on session
4. Defining the data in SPSS – Hands-on session
5. An overview of Descriptive statistics – PPT
6. Descriptive statistics of continuous and categorical variables – Hands-on session
7. Understanding standard error of mean and 95% confidence interval of mean
8. Transforming continuous variable to categorical variable – in SPSS
9. Computing the data in SPSS – applying formulas
10. Normality of data – What, why and how – PPT followed by hands-on
11. An overview of Inferential statistics – dependent variable, independent variable, null hypothesis and p-value - PPT
12. Selection of appropriate statistical tests – PPT
13. Chi square – Introduction and scenarios – PPT followed by hands-on
14. Independent samples T test – Introduction and scenarios – PPT followed by hands-on
15. One sample T Test – Introduction and scenarios – PPT followed by hands-on
16. Paired samples T test – Introduction and scenarios – PPT followed by hands-on
17. One way ANOVA – Introduction and scenarios – PPT followed by hands-on
18. Non parametric tests – Introduction and scenarios – PPT followed by hands-on
19. Pearson and Spearman Correlation analysis – Introduction and scenarios – PPT followed by hands-on
20. Draw Scatter / Dot plot – in SPSS
21. Interpret linear regression equation and R-squared
22. Linear regression analysis - hands-on
23. Binomial Logistic regression analysis - hands-on
24. Reliability of a questionnaire – Cronbach's Alpha in SPSS
25. ROC curve in SPSS



REGISTER NOW... LIMITED SEATS AVAILABLE...

RVTEK Technologies Pvt Ltd

www.rvtektpl.com

In collaboration with



Sree Gokulam Medical College and Research Foundation