

# SPSS Online Training Portal for Medical Professionals



## Uniqueness of the SOTP Portal

- The Portal includes the most Common number of Real life topics or Cases.
- Curriculum designed after due consultation with medical professionals.
- Coverage on theories and concepts of Statistical techniques.
- Each technique has been explained by use of a Medical case.
- Guidance on interpreting results and drawing conclusions.
- Completely process driven training with prompted steps
- Simulated User Interface as if one is working on SPSS Software.
- Virtual Interactive Session will be conducted during the training Program.
- Duration of the Training is for 6 months
- Small datasets would be made available in the SOTP for working on SPSS Software.
- Institute to be provided with a question bank for them to conduct a test after 6 months
- Certificates of participation will be issued to each student

## Benefits of SOTP to Medical Professional & Researcher

- Self Sufficiency in Research - The Statistical data analysis for project reports, thesis and research papers can be made by yourself.
- Scientific approach to a Patient treatment.
- Clinical Trials.
- Drug discovery.
- Improvement of disease management.
- Measuring quality of patient care

## Content Characteristics

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SPSS South Asia offers a special deal for all the Medical practitioner and researcher at AIIMS. We shall offer SPSS License for 1 Year along with SPSS Online Training for 6 months along with Certification.

Special offer - Rs 6000 per user inclusive of taxes.

Note :- Above pricing @60% discount is applicable for the bundled offer Only and valid till 31<sup>st</sup> March,2016

## Course Content

### Data

- Data Measurement
- Data Type
- Data Documentation
- Visual Binning
- Data Selection

### Descriptive Statistics

- Frequencies
- Measures of Central Tendency
- Measures of Position
- Measures of Dispersion
- Measures of Distribution

### Graphical representation of Data

- Univariate Graphs
- Bivariate Graphs
- Multivariate Graphs
- Comparing Categories

### Tabular Representation of Data

- Comparing Categories
- Comparing Multiple Variables

### Data Reports

- Olap Cubes
- Case Summaries

### Relationship between variables

- Correlation
- Regression

### Classification

- Hierarchical Clustering
- K Means Clustering
- Discriminant Analysis

### Data Reduction

- Factor Analysis

### Logistic Regression

- Binary Logistic Regression
- Multinomial Logistic Regression

### Comparing Populations

- Chi Square Test
- T Test

### Analysis of Variance

- One Way ANOVA
- Two Way ANOVA
- MANOVA

### Non Parametric Tests

- Mann Whitney U Test
- Wilcoxon's Signed Rank Test
- Kruskal Wallis Test
- Friedman's Test

### Survival Analysis

- Life Tables
- Kaplan Meier
- Cox Regression
- Time Dependent Cox Regression

### Diagnostic Study

- ROC Curve

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