

Biostatistics Course Finishers Training

NTHRYS provides Biostatistics Course Finishers Training for interested candidates at its Hyderabad facility, Telangana. Please refer below for more details including Fee structures, Eligibility, Protocols and Modules etc.,. Please do call / message / whatsapp for more details on 9014935156 [India - +91]

Eligibility: BSc / BTech / MSc / MTech / MPhil / PhD in any Life Sciences studying or completed students

Protocols / Techniques Covered

Topic (Depending upon the selected duration, topics will be allocated with specific number of hours)	Practicals	Tools
Biostatistics Introduction <ol style="list-style-type: none"> Types of Variables (Quantitative Vs Qualitative, Dependent Vs Independent) Study Designs (Observational, Experimental, Others) Tabulation & Graphs (Function, Rules & Basis of classification) <ol style="list-style-type: none"> Class Intervals & types Cumulative frequency distributions Bivariate Frequency Distribution Tabulation <ol style="list-style-type: none"> Parts of Table Original Vs Desired Table, Simple Vs Complex Table High Order Table Graphs <ol style="list-style-type: none"> Types of Graphs <ol style="list-style-type: none"> One Dimensional Graphs Two Dimensional Three Dimensional Pictograms Cartograms Others <ol style="list-style-type: none"> Histogram Frequency Polygon(Direct) Ogive cumulative frequency curve 		

6. Averages (Mean, Median, Mode) <ul style="list-style-type: none"> 1. Mean (Arithmetic Mean, Weighted Arithmetic Mean etc.,) 2. Median <ul style="list-style-type: none"> 1. Cumulative Frequency 2. Partition Values (Quartiles, Deciles, Percentiles) 3. Mode <ul style="list-style-type: none"> 1. Continuous frequency distribution 2. Inspection Method, Analysis Method 4. Connection (Symmetric Distribution, Skewed left, Skewed Right) 5. Dispersion or Measure of Variation 6. Range >> Quartile Deviation >> Average or Mean Deviation >> Standard Deviation 7. Range >> Absolute & Relative 8. Mean Deviation <ul style="list-style-type: none"> 1. Mean Deviation from Arithmetic Mean 2. Mean Deviation from Median 3. Mean Deviation from Mode 9. Standard Deviation 10. Coefficient of Variation 11. Combined Standard Deviation 	Yes	Manual, Excel, SPSS (Optional)
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<p>7. Statistical Inference</p> <p>8. Hypothesis Testing</p> <p>1. What is Hypothesis? Characteristics of Hypothesis.</p> <p>2. Types of Hypothesis</p> <p>1. Null Hypothesis</p> <p>2. Alternate Hypothesis</p> <p>3. Errors</p> <p>1. Type I Errors</p> <p>2. Type II Errors</p> <p>4. Level of Significance</p> <p>5. Two tailed and One Tailed Tests</p> <p>6. Testing the Hypothesis</p> <p>7. Critical Value & Decision Value</p> <p>8. Right Tailed & Left Tailed Tests</p> <p>9. Procedure for Hypothesis Testing</p> <p>1. Making a formal statement</p> <p>2. Selecting a Significance level</p> <p>3. Deciding the distribution to use</p> <p>4. Selecting a random sample and computing an appropriate value</p> <p>5. Critical value</p> <p>6. Decision Value</p> <p>7. Sampling (Sampling Distribution)</p> <p>8. Student t Distribution</p> <p>9. Degree of Freedom</p> <p>10. Hypothesis testing for Mean & difference between Means</p>	Yes	Manual, Excel, SPSS (Optional)
<p>9. Parametric & Nonparametric Tests</p> <p>1. Equivalent Tests</p> <p>1. Parametric Tests</p> <p>1. Independent Sample t test</p> <p>2. Paired Sample t test</p> <p>3. One Way Analysis of Variance (ANOVA)</p> <p>4. One way repeated measures Analysis of Variance</p> <p>2. Non Parametric Tests</p> <p>1. Mann-Whitney Test</p> <p>2. Wilcoxon signed Rank test</p> <p>3. Kruskal Wallis test</p> <p>4. Friedman's ANOVA</p> <p>2. Z and T Distribution</p> <p>3. Chi Square Test</p> <p>4. Conducting Chi-Square Analysis</p> <p>5. Independence of Attributes</p> <p>6. Range of R</p> <p>7. Spearman Rank Correlation</p> <p>8. Regression (Linear Regression equation)</p>	Yes	Manual, Excel, SPSS (optional)

Guidance will be given to the candidates (Durations above 10 days) who are interested to do a Minor Project (Optional - with no additional fee) related to the above module.
Additional Certificate will be given to the same upon completion.

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Fee details in Rs per student				
Fee	3 Months	4 Months	5 Months	6 Months
Individual	52400	101800	142000	167800
Group 2 - 4	49900	69000	133700	172600
Group 5 - 7	49400	68300	132300	170800
Group 8 - 10	48900	67600	130900	169000