



## Biostatistics Internship

# Explore Biostatistics with Our Paid Internship Program

Unlock the doors to the captivating world of biostatistics through our comprehensive internship program. Designed for driven individuals passionate about merging statistical analysis with biology, our internship offers an invaluable opportunity to gain practical experience while investing in your future career.

### What We Offer:

1. **Hands-On Learning Experience:** Dive into real-world applications of biostatistics, working on live projects alongside experienced professionals. Our program is structured to provide a hands-on, immersive experience that accelerates your learning curve.
2. **Practical Applications:** Engage with authentic datasets and projects spanning clinical trials, epidemiology, pharmaceuticals, and more. Contribute meaningfully to research that shapes the future of healthcare and biology.
3. **Expert Mentorship:** Benefit from one-on-one guidance and mentorship from seasoned biostatisticians. Learn from their expertise and receive personalized support to enhance your statistical analysis skills.
4. **Networking Opportunities:** Connect with professionals in the industry, building relationships that could become invaluable assets in your future career endeavors.

### Internship Details:

1. Duration: Please check "Fee" Tab
2. Fee Structure: Our internship program operates on a fee-based model. Please check "Fee" tab.
3. Requirements: Open to students enrolled in relevant academic programs with proficiency in statistical software and a drive to make a difference in healthcare through statistics.
4. How to Apply: If you're ready to invest in your future while gaining unparalleled experience in biostatistics, we encourage you to apply. Check "Apply" tab about joining procedures.
  - + Various Research Approaches under Biostatistics where Interns will be exposed to
    1. + Experimental Design

1. Randomized Controlled Trials (RCTs)
2. Quasi-experimental Designs
3. Factorial Designs
4. Cross-Over Designs
5. Cluster Randomized Trials
6. Adaptive Designs
7. Sequential Designs
8. Latin Square Designs
2. + Observational Studies
  1. Cohort Studies
  2. Case-Control Studies
  3. Cross-sectional Studies
  4. Longitudinal Studies
  5. Retrospective Studies
  6. Prospective Studies
  7. Ecological Studies
  8. Case Series Studies
3. + Sampling Techniques
  1. Simple Random Sampling
  2. Stratified Sampling
  3. Cluster Sampling
  4. Systematic Sampling
  5. Convenience Sampling
  6. Snowball Sampling
  7. Multistage Sampling
  8. Probability Proportional to Size Sampling
4. + Statistical Modeling
  1. Linear Regression
  2. Logistic Regression
  3. Survival Analysis
  4. Mixed Effects Models
  5. Structural Equation Modeling (SEM)
  6. Generalized Linear Models (GLMs)
  7. Bayesian Models
  8. Time Series Analysis
  9. Latent Class Analysis
5. + Hypothesis Testing
  1. Student s t-test
  2. ANOVA (Analysis of Variance)
  3. Chi-Square Test
  4. Mann-Whitney U Test
  5. Wilcoxon Signed-Rank Test
  6. Kruskal-Wallis Test
  7. Fisher s Exact Test
  8. McNemar s Test
  9. Kolmogorov-Smirnov Test

6. + Survival Analysis Techniques
  1. Kaplan-Meier Estimator
  2. Cox Proportional Hazards Model
  3. Nelson-Aalen Estimator
  4. Log-Rank Test
7. + Machine Learning in Biostatistics
  1. Decision Trees
  2. Random Forests
  3. Support Vector Machines (SVM)
  4. Neural Networks
  5. k-Nearest Neighbors (k-NN)
  6. Clustering Algorithms
  7. Principal Component Analysis (PCA)
  8. Ensemble Learning Methods
8. + Measurement and Diagnostic Methods
  1. Sensitivity and Specificity Analysis
  2. Receiver Operating Characteristic (ROC) Analysis
  3. Concordance Statistics
  4. Calibration Curve Analysis
  5. Intraclass Correlation Coefficient (ICC)
  6. Bland-Altman Plot Analysis
- + Internship Specializations in Medical Studies: Select Your Focus
  1. **Epidemiology:** Analyzing patterns, causes, and effects of health and disease conditions in populations.
  2. **Clinical Trials:** Designing, analyzing, and interpreting randomized controlled trials and other intervention studies to evaluate treatments or interventions.
  3. **Observational Studies:** Investigating health outcomes in populations without intervention, such as cohort studies, case-control studies, and cross-sectional studies.
  4. **Genetic Studies:** Analyzing genetic data to understand the genetic basis of diseases, heritability, and gene-environment interactions.
  5. **Public Health Research:** Assessing the health status of populations, identifying health disparities, and evaluating public health interventions.
  6. **Health Services Research:** Studying the organization, delivery, and utilization of healthcare services and their impact on patient outcomes.
  7. **Pharmacovigilance:** Monitoring and analyzing the safety and efficacy of pharmaceuticals or medical devices post-market release.
  8. **Disease Surveillance:** Tracking and analyzing the occurrence and spread of diseases within populations to guide public health interventions.
  9. **Risk Assessment and Prediction Modeling:** Estimating the probability of disease occurrence based on risk factors and developing predictive models.
  10. **Diagnostic Test Evaluation:** Assessing the accuracy, sensitivity, and specificity of diagnostic tests or biomarkers.
  11. **Nutritional Studies:** Analyzing dietary patterns, nutritional interventions, and their impact on health outcomes.

12. **Environmental Health Studies:** Assessing the effects of environmental exposures on health and disease risk.
13. **Reproductive and Perinatal Health:** Investigating factors affecting pregnancy outcomes, fertility, and maternal health.
14. **Behavioral Health Research:** Studying the impact of behavioral factors on health, including addiction, mental health, and lifestyle interventions.
15. **Health Economics and Outcomes Research:** Evaluating the cost-effectiveness of healthcare interventions and analyzing healthcare utilization patterns.
16. **Molecular Epidemiology:** Examining the interplay between genetic and environmental factors in disease development.
17. **Bioinformatics:** Analyzing large-scale biological data, such as genomics, proteomics, and metabolomics, for medical insights.
18. **Health Disparities Research:** Investigating inequalities in health outcomes among different populations based on socio-economic, racial, or geographic factors.
19. **Patient-Reported Outcomes Research:** Evaluating patient experiences, quality of life, and subjective health outcomes in clinical studies.
20. **Medical Imaging Studies:** Developing statistical methodologies for image analysis and interpretation in medical imaging modalities like MRI, CT, and PET scans.
21. **Precision Medicine Studies:** Analyzing individual variability in genes, environment, and lifestyle for personalized treatment and prevention strategies.
22. **Health Behavior Studies:** Understanding how behaviors impact health outcomes and designing interventions for behavior change.
23. **Cancer Registry Studies:** Analyzing population-based cancer data to track incidence, mortality, and survival rates across different demographics.
24. **Infectious Disease Epidemiology:** Studying the transmission, spread, and control of infectious diseases within populations.
25. **Occupational Health Research:** Assessing workplace-related health risks and interventions to improve occupational safety and health.
26. **Quality Improvement Studies:** Using statistical methods to assess and improve the quality of healthcare delivery and patient outcomes.
27. **Longitudinal Aging Studies:** Investigating aging-related health issues, geriatrics, and factors influencing healthy aging.
28. **Biostatistics Methodology Development:** Developing new statistical methods tailored to specific medical research questions or data types.
29. **Comorbidity Studies:** Analyzing the occurrence and impact of multiple health conditions within an individual or population.
30. **Mental Health Intervention Studies:** Evaluating the effectiveness of interventions for mental health disorders and treatments.
31. **Health Informatics Studies:** Analyzing and interpreting large-scale health data from electronic health records (EHRs) for insights and decision-making.
32. **Pharmacoepidemiology:** Assessing the utilization, effectiveness, and safety

- of pharmaceuticals in large populations.
33. **Biomarker Discovery and Validation:** Identifying and validating biomarkers for disease diagnosis, prognosis, or treatment response.
  34. **Social Epidemiology:** Investigating how social factors impact health outcomes and disparities within communities.
  35. **Clinical Genetics Studies:** Utilizing statistical methods to interpret genetic data in clinical settings for diagnosis and treatment decisions.
  36. **Health Policy and Program Evaluation:** Assessing the impact and effectiveness of health policies, interventions, and programs.
  37. **Big Data Analytics in Health Sciences:** Applying advanced statistical techniques to analyze massive and complex datasets for medical insights.
  38. **Health Technology Assessment (HTA):** Evaluating the clinical effectiveness and cost-effectiveness of healthcare technologies and innovations.
  39. **Community-Based Participatory Research:** Engaging communities in research partnerships to address local health concerns and interventions.
  40. **Translational Research:** Bridging the gap between basic research discoveries and their application in clinical settings for patient care.
  41. **Drug Development and Clinical Pharmacology:** Assessing drug safety, pharmacokinetics, and dose-response relationships in clinical trials and post-marketing studies.
  42. **Disease Mapping and Spatial Epidemiology:** Analyzing geographical patterns of diseases and their associations with environmental factors.
  43. **Health Risk Assessment:** Evaluating the potential health risks posed by environmental pollutants, chemicals, or occupational exposures.
  44. **Health Communication and Behavioral Interventions:** Designing and evaluating communication strategies and behavioral interventions for health promotion.
  45. **Patient Adherence and Compliance Studies:** Assessing patient adherence to prescribed treatments and interventions.
  46. **Vaccine Studies and Immunization Programs:** Evaluating vaccine efficacy, coverage, and impact on population health.
  47. **Healthcare Resource Allocation Studies:** Optimizing resource allocation in healthcare systems to maximize patient outcomes.
  48. **Hospital-Based Epidemiology:** Studying infections, antibiotic resistance, and healthcare-associated infections within hospital settings.
  49. **Gerontology and Aging Studies:** Investigating health challenges and care needs related to aging populations.
  50. **Emergency Medicine Research:** Analyzing trends, outcomes, and interventions in emergency care settings.

Join us in advancing the field of biostatistics while paving the way for your successful career in this impactful industry.

## Fee Structure

Note 1: Fee mentioned below is per candidate.

Note 2: Fee of any sort is NON REFUNDABLE once paid. Please cross confirm all the details before proceeding to fee payment

2 Days Total Fee: Rs 1800/-
<b>Reg Fee Rs 540/-</b>
5 Days Total Fee: Rs 3652/-
<b>Reg Fee Rs 1096/-</b>
10 Days Total Fee: Rs 5600/-
<b>Reg Fee Rs 1680/-</b>
15 Days Total Fee: Rs 8842/-
<b>Reg Fee Rs 2653/-</b>
20 Days Total Fee: Rs 13067/-
<b>Reg Fee Rs 3920/-</b>
30 Days Total Fee: Rs 20753/-
<b>Reg Fee Rs 5500/-</b>
45 Days Total Fee: Rs 31624/-
<b>Reg Fee Rs 5500/-</b>
2 Months Total Fee: Rs 39200/-
<b>Reg Fee Rs 5500/-</b>
3 Months Total Fee: Rs 59733/-
<b>Reg Fee Rs 5500/-</b>
4 Months Total Fee: Rs 79333/-
<b>Reg Fee Rs 5500/-</b>

5 Months Total Fee: Rs 99867/-
<b>Reg Fee Rs 5500/-</b>
6 Months Total Fee: Rs 119467/-
<b>Reg Fee Rs 5500/-</b>
7 Months Total Fee: Rs 140000/-
<b>Reg Fee Rs 5500/-</b>
8 Months Total Fee: Rs 159600/-
<b>Reg Fee Rs 5500/-</b>
9 Months Total Fee: Rs 179200/-
<b>Reg Fee Rs 5500/-</b>
10 Months Total Fee: Rs 199733/-
<b>Reg Fee Rs 5500/-</b>
11 Months Total Fee: Rs 219333/-
<b>Reg Fee Rs 5500/-</b>
1 Year Total Fee: Rs 239867/-
<b>Reg Fee Rs 5500/-</b>

**Please contact +91-9014935156 for fee payments info or EMI options or Payment via Credit Card or Payment using PDC (Post Dated Cheque).**