

Biostatistics Internship Topics

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50
Active Categories

25
Focused Areas

Internships
Internships

Biostatistics Internship Categories

AI Causal Biostatistics Methodology Research https://internships.nthrys.com/biostatistics/ai-causal-biostatistics-methodology-research	Machine Learning for Survival Analysis Research https://internships.nthrys.com/biostatistics/machine-learning-survival-analysis-res
AI Adaptive Trial Statistical Design Research https://internships.nthrys.com/biostatistics/ai-adaptive-trial-statistical-design-research	AI Genetic Epidemiology Statistics Research https://internships.nthrys.com/biostatistics/ai-genetic-epidemiology-statistics-research
AI Spatial Biostatistics Research https://internships.nthrys.com/biostatistics/ai-spatial-biostatistics-research	AI High-Dimensional Biostatistics Research https://internships.nthrys.com/biostatistics/ai-high-dimensional-biostatistics-research
AI Bayesian Biostatistical Methods Research https://internships.nthrys.com/biostatistics/ai-bayesian-biostatistical-methods-research	AI Missing Data Biostatistics Research https://internships.nthrys.com/biostatistics/ai-missing-data-biostatistics-research
AI Federated Biostatistics Research https://internships.nthrys.com/biostatistics/ai-federated-biostatistics-research	AI Precision Medicine Biostatistics Research https://internships.nthrys.com/biostatistics/ai-precision-medicine-biostatistics-research
Real-World Evidence Analysis Methods https://internships.nthrys.com/biostatistics/real-world-evidence-analysis-methods	Network Meta-Analysis Statistical Development https://internships.nthrys.com/biostatistics/network-meta-analysis-statistical-development
Causal Inference in Observational Studies https://internships.nthrys.com/biostatistics/causal-inference-observational-studies	Time-to-Event Data Analysis Methods https://internships.nthrys.com/biostatistics/time-to-event-data-analysis-methods
Microbiome Statistical Composition Analysis https://internships.nthrys.com/biostatistics/microbiome-statistical-composition-analysis	Count Data Regression Modeling Research https://internships.nthrys.com/biostatistics/count-data-regression-modeling-research
Longitudinal Data Mixed Effects Models https://internships.nthrys.com/biostatistics/longitudinal-data-mixed-effects-models	Measurement Error Correction Methods https://internships.nthrys.com/biostatistics/measurement-error-correction-methods
Diagnostic Test Accuracy Meta-Analysis https://internships.nthrys.com/biostatistics/diagnostic-test-accuracy-meta-analysis	Multiple Comparisons Correction Strategies https://internships.nthrys.com/biostatistics/multiple-comparisons-correction-strategies
Subgroup Analysis and Effect Modification https://internships.nthrys.com/biostatistics/subgroup-analysis-effect-modification	Recurrent Event Data Analysis Methods https://internships.nthrys.com/biostatistics/recurrent-event-data-analysis-methods
Sensitivity Analysis Framework Development https://internships.nthrys.com/biostatistics/sensitivity-analysis-framework-development	Sample Size Power Calculation Research https://internships.nthrys.com/biostatistics/sample-size-power-calculation-research
Data Visualization Statistical Graphics https://internships.nthrys.com/biostatistics/data-visualization-statistical-graphics	Propensity Score Matching Applications https://internships.nthrys.com/biostatistics/propensity-score-matching-applications
Genomic Data Quality Control Assessment https://internships.nthrys.com/biostatistics/genomic-data-quality-control-assessment	Interim Analysis Adaptive Trial Design https://internships.nthrys.com/biostatistics/interim-analysis-adaptive-trial-design
Clustering and Classification Method Evaluation https://internships.nthrys.com/biostatistics/clustering-classification-method-evaluation	Non-Inferiority Trial Statistical Analysis https://internships.nthrys.com/biostatistics/non-inferiority-trial-statistical-analysis
Statistical Genetics Association Study Methods https://internships.nthrys.com/biostatistics/statistical-genetics-association-study-methods	Joint Modeling Longitudinal Survival Data https://internships.nthrys.com/biostatistics/joint-modeling-longitudinal-survival-data

Risk Prediction Model Development Validation https://internships.nthrys.com/biostatistics/risk-prediction-model-development-validation	Imaging Biomarker Statistical Analysis https://internships.nthrys.com/biostatistics/imaging-biomarker-statistical-analysis
Dose-Response Relationship Modeling https://internships.nthrys.com/biostatistics/dose-response-relationship-modeling	Meta-Regression Analysis Framework https://internships.nthrys.com/biostatistics/meta-regression-analysis-framework
Reproducibility Biostatistics Research Practices https://internships.nthrys.com/biostatistics/reproducibility-biostatistics-research-practices	Missing Data Imputation Strategy Comparison https://internships.nthrys.com/biostatistics/missing-data-imputation-strategy-comparison
Ordinal Outcome Regression Analysis Methods https://internships.nthrys.com/biostatistics/ordinal-outcome-regression-analysis-methods	Bioequivalence Cross-Over Trial Analysis https://internships.nthrys.com/biostatistics/bioequivalence-cross-over-trial-analysis
Competing Risk Event Analysis Development https://internships.nthrys.com/biostatistics/competing-risk-event-analysis-development	Statistical Disclosure Control Methods Research https://internships.nthrys.com/biostatistics/statistical-disclosure-control-methods-research
Stratified Randomization Covariate Balance https://internships.nthrys.com/biostatistics/stratified-randomization-covariate-balance	Outcome Misclassification Correction Analysis https://internships.nthrys.com/biostatistics/outcome-misclassification-correction-analysis
Time-Varying Covariate Analysis Methods https://internships.nthrys.com/biostatistics/time-varying-covariate-analysis-methods	Pharmacogenomic Biostatistics Application Research https://internships.nthrys.com/biostatistics/pharmacogenomic-biostatistics-application-research
Confounding Adjustment Comparison Methods https://internships.nthrys.com/biostatistics/confounding-adjustment-comparison-methods	Survival Curve Estimation Comparison Analysis https://internships.nthrys.com/biostatistics/survival-curve-estimation-comparison-analysis
Cost-Effectiveness Statistical Modeling Research https://internships.nthrys.com/biostatistics/cost-effectiveness-statistical-modeling-research	Biomarker-Driven Trial Statistical Framework https://internships.nthrys.com/biostatistics/biomarker-driven-trial-statistical-framework

Biostatistics Internship Topics and Focused Areas

Machine Learning for Survival Analysis Research

- Cox Proportional Hazards Model Optimization
- Deep Learning for Right-Censored Data
- Competing Risks Analysis Using Machine Learning
- Feature Engineering for Survival Prediction
- Benchmark Development for Survival ML Models

AI Bayesian Biostatistical Methods Research

- Bayesian Hierarchical Models for Clinical Trial Data
- Prior Specification and Sensitivity Analysis in Biomedical Studies
- Adaptive Bayesian Designs for Personalized Medicine Trials
- Bayesian Survival Analysis and Competing Risks Modeling
- Machine Learning Integration with Bayesian Biostatistical Inference

AI Precision Medicine Biostatistics Research

- Predictive Modeling for Drug Response in Precision Medicine
- Statistical Analysis of Genomic Data in Clinical Trials
- Bayesian Methods for Personalized Treatment Optimization
- Time-to-Event Analysis and Survival Modeling in Precision Oncology
- Network Analysis and Pathway Biomarker Discovery

Count Data Regression Modeling Research

- Poisson Regression Model Development and Validation
- Overdispersion Detection and Negative Binomial Modeling
- Zero-Inflated and Hurdle Model Applications
- Longitudinal Count Data Analysis and Mixed-Effects Modeling
- Bayesian Methods for Count Data Regression

Imaging Biomarker Statistical Analysis

- Radiomics Feature Extraction and Validation
- Longitudinal Imaging Biomarker Analysis
- Machine Learning Model Validation for Medical Imaging
- Image Registration and Spatial Statistics
- Multi-Modal Imaging Integration and Fusion Analysis

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