# Advanced Techniques In Population Genetics

## 8:45 AM - 10:15 AM: Session 1: Advanced Statistical Methods

Advanced statistical methods for population genetics.
Practical session on using statistical software.
Troubleshooting and optimizing data analysis.

## 10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

## 10:30 AM - 12:00 PM: Session 2: Genomic Approaches

Overview of genomic approaches in population genetics.
Practical session on using next-generation sequencing data.
Case studies on genomic insights into population structure.

## 12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

## 1:00 PM - 2:30 PM: Session 3: Evolutionary Genetics

Using population genetics to study evolutionary processes.

Practical session on evolutionary modeling.
Case studies on evolutionary genetics research.

## 2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

## 2:45 PM - 4:15 PM: Session 4: Biotechnology in Population Genetics

Strategies for integrating biotechnology in population genetics.
Case studies on biotechnological applications.
Future trends and challenges in the field.

## 4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

## 4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.
Dialogue on overcoming challenges in adopting new technologies in similar sectors.
Feedback session and closing remarks.
Certificate Issue

## 5:30 PM: Workshop Concludes