

Bio-Statistics:

Paper-I

1. Research method

Basic concept of confounding and effect modification; Measures of disease frequency and association; study design; research protocol

2. Basic Biostatistics

Descriptive statistics; visualization of data; vector and matrix; inferential statistics-parametric & nonparametric.

Paper-II

1. Quantitative metrics in nutrition

Application of probability in statistical inference, Linear models, Linear mixed effects model, generalized linear model, generalized additive model, measurement error and its consequence; forms of measurement error models; methods for estimation.