Course Description

Meaning and nature of statistics. Categories of data. Frequency distributions and the normal curve. Measures of central tendency and variability. Use of regression. ANOVA and ANCOVA. Predictions, correlations and causality. Selection of appropriate statistical techniques. Measures of standard error, confidence intervals and levels of confidence. Tests o f significance. Hypotheses testing. Presentation and interpretation of statistical data in research reports. Using plots, displays and diagnostics to understand and interpret data. Co-linearity. Principal components analysis. Factor analysis.