Schedule – Data Analysis with R Programming

Day 1 – Dr. Sandhya Krishnan

- Session 1 (1:30 PM to 3:00 PM) – Introduction to R (Downloading R, working on vectors, importing data, descriptive statistics, etc)
- Session 2 (4:00 PM to 5:30 PM) – Graphics with R

Day 2 – Dr. Sandhya Krishnan

- Session 1 (1:30 PM to 3:00 PM) – Probability distributions – Binomial and Poisson
- Session 2 (4:00 PM to 5:30 PM) – Probability Distributions – Normal and standard normal distribution

Day 3 – Dr. Ishita Ghoshal

- Session 1 (1:30 PM to 3:00 PM) – Hypothesis testing, Z test, chi-sq
- Session 2 (4:00 PM to 5:30 PM) – Hypothesis testing F and t distributions

Day 4 – Dr. Ishita Ghoshal

- Session 1 (1:30 PM to 3:00 PM) – OLS regression Bi-variate and multivariate regression
- Session 2 (4:00 PM to 5:30 PM) – Violation of OLS assumptions- autocorrelation, heteroskedasticity, etc.