

# MBA 553 : Statistical Reasoning

This course is a graduate-level introduction to data analysis, descriptive statistics, and statistical inference. Data analysis and descriptive statistics include graphical analysis, measures of location and dispersion, an introduction to probability, and a consideration of probability distributions, including the Binomial, Normal, t, Poisson, Chi Square, and F. Statistical inference encompasses procedures for determining whether data fits some distribution, and also procedures such as regression and correlation for estimating values based on some statistical association.