

## **DCS 525 - Statistics for Data Science**

3 Credit Hours

This course will cover a variety of topics in statistics including data collection methods, measures of central tendency and spread, the relation between two variables, conditional/joint/marginal probabilities, probability distributions, statistical inference, point estimates, confidence intervals, significance testing, goodness-of-fit test, various two-sample tests, Bayesian statistics, Bayes theorem, conjugate priors, posterior distributions, credible intervals, A/B testing, logistic regression.

### **Prerequisites**

[DCS 510](#)