GRADUATE CERTIFICATE IN THEORY AND APPLICATIONS OF REGRESSION MODELS

The Graduate Certificate in Theory and Applications of Regression Models covers applications of regression analysis, generalized regression models, probability and mathematical statistics and other topics in statistical analysis. The focus is on the practical methods in regression analysis, understanding patterns and structure in data, and the explanation of findings.

Students interested in graduate work should refer to the Graduate and Professional Bulletin (http://catalog.colostate.edu/general-catalog/graduate-bulletin/).

Learning Objectives

This certificate is designed to help students acquire the background needed in regression analysis and generalized regression models, and commonly used statistical methodologies, as well as some theoretical background needed for a solid understanding of these methodologies. Students completing the certificate will be able to (a) effectively analyze data, (b) interpret results, and (c) explain the findings of statistical analyses.