APPLIED STATISTICS CERTIFICATE

Program Description

In a world where data is key to business operations and decision making, it is crucial to understand how to collect the right data and provide precise and clear insights to your teams and stakeholders.

In this certificate program, you will turn data into actionable information to make better business decisions. You'll uncover the patterns and trends hidden within various types of data so that you can effectively share these insights with stakeholders. As you determine how to represent different types of data, you'll discover how to apply the rules of probability to analyze that data using modeling, sampling, and regression. The fundamental analytical skills you gain will not only substantiate your business choices but also enable you to predict future outcomes and opportunities for your business.

Key Takeaways

- Determine how to represent different types of data and apply the rules of probability to analyzing that data
- Analyze data and probabilities to make informed business decisions to achieve desired outcomes
- Apply the "bell curve" model to various phenomena to make more accurate probability predictions in a scenario
- Understand the decision-making environment through the application of statistical sampling
- Use statistical methods to determine the truth or falsehood of a statement
- Examine the relationship between variables to better predict the future behavior of a system
- Consider multiple variables when predicting the behavior of a complex system

What You'll Earn

- Applied Statistics Certificate from Cornell's SC Johnson College of Business
- 70 Professional Development Hours (7 CEUs)

Who Should Enroll

- Professionals looking to uncover insights from data
- Students who are pre-MBA or considering earning an MBA
- Analysts and researchers
- Individuals interested in moving into an analyst role
- Anyone seeking to leverage statistical or analytic skills

Total Investment

- 3.5 months with 3-5 hours of study per week

How To Enroll

For more information on how to enroll, please visit Applied Statistics Certificate (https://ecornell.cornell.edu/certificates/data-science-analytics/applied-statistics/).

The courses in this certificate program are required to be completed in the order that they appear.

Program Requirements

Code	Title	Hours
Required Courses		
eCornell JCB571	Data Analysis and Probability	
eCornell JCB572	Decision Analysis	
eCornell JCB573	Continuous Distributions	
eCornell JCB574	Sampling	
eCornell JCB575	Hypothesis Testing	
eCornell JCB576	Simple Regression	
eCornell JCB577	Multiple Regression	