



Strategic Improvement Systems



## ***Introduction to Multivariate Data Analysis***

A 3-Hour Virtual Zoom Course on **March 19, 2021** Instructed by

*Charles A. Liedtke, Ph.D.*

*Strategic Improvement Systems, LLC*

[www.strategicimprovementsystems.com](http://www.strategicimprovementsystems.com)

**Course Description:** This 3-hour course on ***Multivariate Data Analysis*** introduces participants to a set of ***analytical techniques*** that are used to generate deep insights and extract as much knowledge as possible from structured “*row by column*” datasets. Participants will ***enhance their analytical skills*** and ***add to their analytics toolbox*** through **practical hands-on exercises and drills**. Participants will analyze a variety of **datasets** related to service and manufacturing organizations and sports. The successful completion of this course will help participants add-value in **improving organizational performance** and **gaining an analytics advantage**.

**Topics:** Multivariate Data Structures, Regression Analysis, Principal Components Analysis, Factor Analysis, Discriminant Analysis, and Cluster Analysis

**Date:** 3/19/21 8:00 a.m. - 11:00 a.m. CST **Price:** \$150 Per Person by 5:00 p.m. CST on 3/16/21

**Preparation:** Complete a *Basic Statistics* Primer (self-study, no additional cost)

**Software:** R and Minitab Version 20 (both not included)

**The Process:** Each registered participant will be sent on March 18, 2021 a (1) Zoom invitation and (2) PDF of the slides if payment has been received. Participants should join the course by 7:55 a.m. on March 19, 2021. The course starts at 8:00 a.m. There will be two 15-minute breaks.

**To register . . .** Send an email message with the information below to [charles@sisliedtke.com](mailto:charles@sisliedtke.com)

- (1) Name, (2) Title/Position, (3) Organization, (4) Email Address, & (5) Payment Preference

**Payment-in-full** of \$150 must be received by **5:00 p.m.** on **March 16, 2021**. There are 3 ways to pay:

1) Mail a check to Charles at the address below with the registration information (above).

Charles A. Liedtke, Ph.D.  
Strategic Improvement Systems, LLC  
6231 Hummingbird Road  
Excelsior, MN 55331

2) Email Charles a purchase order with your registration information and you will be sent an invoice.

3) Email Charles your registration information and indicate that you would like to pay by credit card. Charles will send you an invoice through PayPal.

A person's registration is transferable to another person at any time until 5:00 p.m. on March 18, 2021. Just email Charles your registration transfer request. There are no cancellation refunds.

**Questions:** You can email Charles at [charles@sisliedtke.com](mailto:charles@sisliedtke.com).