SE&T Colloquium Series-Fall 2018

Speaker	Dr. Jan Hlavacek Department of Mathematical Sciences
Title	***Using the SVSU R-Studio server in introductory statistics courses: mosaic, tidyverse and rmarkdown***
Abstract	R is a popular programming language and free software system for statistical computing, similar in scope to SAS, SPSS and Stata. Since its initial release in 1995, there have been many efforts to use R for introductory statistics instruction. These efforts were hampered by variety of difficulties, including a cumbersome installation procedure, lack of a user-friendly front end, inconsistent interface and complicated graphics system. Recently, however, many new developments, including R-studio integrated development environment, tidyverse family of packages, project MOSAIC and introduction of rmarkdown format substantially diminished most of these difficulties, to the point where we believe it is entirely feasible to use R in an introductory statistics classroom. As a part of an SVSU Dow Professor Award grant, SVSU now has an experimental R-studio server that is available to both students and faculty. The server has been used in several Math 132A and one Math 132B classes since Spring 2017. In this talk we will demonstrate the use of this server, discuss some of the recent improvements that we believe make R a viable option for statistics instruction, and share some experiences from using R in SVSU Math 132A classes.
Date	Tuesday, October 30
Time	4:10-5:00pm
Place	Pioneer 240
	Refreshments will be served at 4:00pm.