



**“Survival analysis is considered among the most useful innovations in statistical analysis over the past 40 years.”**

# BCS Fall Lecture Series

**Friday,  
November 6, 2009  
12 - 1 p.m.  
MHC 1329**



## **Basic Concepts and Applications of Survival Analysis**

**Ross Andel, Ph.D.**

Assistant Professor,  
School of Aging Studies,  
College of Behavioral and Community Sciences

Survival analysis refers to a group of statistical methods used to study the occurrence and timing of various events such as the onset of a health condition or a disease, institutionalization, incarceration, hospitalization, marriage, divorce, retirement, or death. Thanks to its wide application in almost all areas of research, survival analysis is considered among the most useful innovations in statistical analysis over the past 40 years. This presentation will:

- Present basic terminology and conceptual framework of survival analysis
- Describe the typical structure of time-to-event data, and
- Provide practical examples of common uses of this method

Dr. Andel received his B.A. in Psychology from Vanguard University of Southern California and his Ph.D. in Gerontology from the University of Southern California. His primary research interest has been in the investigation of modifiable risk factors for cognitive impairment that may be used to delay the onset of Alzheimer’s disease and other types of dementia. Factors examined by Dr. Andel have included intellectual, social, and physical activities in and outside of work, education, personality, and diet. He has worked with the Swedish Twin Registry and other datasets and has also published on the effects of exercise on functional fitness in the elderly, risk factors for nursing home placement and other topics related to health and aging.

**Please RSVP to Patty Cleveland at 974-6194 or [cleveland@bcs.usf.edu](mailto:cleveland@bcs.usf.edu)**

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