

1116-T1-2753 **Olcay Akman*** (oakman@ilstu.edu), Department of Mathematics, Box 4520, Illinois State University, Normal, IL 61790. *Modernizing Statistics Education via Biology Applications.*

In most traditional statistics courses, instructors use data from different fields in an effort to give the courses an interdisciplinary flavor. They generally fail because these attempts lack the cross-disciplinary concepts connected in a meaningful way beyond just using a data set from another field. In this talk I will discuss modernizing statistics education by i) using evolutionary concepts adapted as computational methods and ii) using biological data to demonstrate abstract statistical methods. (Received September 22, 2015)