

1106-91-2381      **Kevin Hutson\*** ([kevin.hutson@furman.edu](mailto:kevin.hutson@furman.edu)), **Michael Berry**, **Tim Chartier** and **Amy Langville**. *Identifying Influential Upsets in College Football*.

Networks model complex systems from a wide range of applications, including contests between teams during a sport season. One of the well-studied aspects of a network is the concept of the most influential or powerful node (team) in the network. The edges (games) of the network can also exert great influence in such measures of node power. In this talk, we propose methods that identify influential edges in a network and their impact on a ranking of nodes as it applies to a college football season. (Received September 16, 2014)