

1046-N1-1477 **R. Drew Pasteur*** (rpasteur@wooster.edu). *Football Rankings Using Linear Algebra*. Preliminary report.

Most American football teams at the high school and collegiate levels play only a small number of games annually, compared to the number of teams in their leagues. In attempts to determine which teams are the best, or to accurately predict winners of future contests, many mathematical ranking methods have been developed. Most such ranking systems are based on complex statistical techniques; however, linear algebra can also be used sensibly, as we shall present in this talk. (Received September 15, 2008)