

1086-AF-1878 **Kenneth Massey*** (kmassey@cn.edu), Jefferson City, TN 37760. *Sports Ratings by Linear Regression with L^p norms.*

Regression models are often used to evaluate team strengths in competitive leagues. After exploring the nature of schedule graphs, we will describe the common least squares ($p = 2$) approach for determining team ratings, and then generalize to other norms. After building the class of models, we will consider computational algorithms, solution properties, and goodness of fit, using recent college football seasons for illustration. (Received September 24, 2012)