Sports rating systems are an important factor in the selection and ranking of teams for postseason play in major college sports, notably NCAA basketball and football. There is considerable fan interest in seeing how their team rankings rise and fall throughout the course of the season. Further, these ratings can provide predictive power in future matchups. In this talk we will discuss the development of a rating system for Kentucky high school sports. We will highlight the importance of using historical data to fit our model to this particular set of teams, and discuss the challenges of a statewide rating system on a weakly connected schedule of matchups. (Received September 17, 2019)