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**Keri D'Angelo, Quyen Do, Jamie Kunzmann, Joshua Radack\*** (radackj@lafayette.edu) and **Trent Gaugler**. *Predicting Outcomes of College Football Games*. Preliminary report.

It is common to try to predict who will win a football game, and pro-football-reference.com produced a well-known model (called the PFR model) for predicting such outcomes for NFL games. Their model relies heavily on the point spread that sportsbooks use to balance the wagering on the game. Our focus will be on FBS college football games, and we seek to compare this PFR model to new logistic regression models built using data from 2008 to 2016. In addition to asking who will win the game, it is sometimes more interesting to ask if the favored team will win by a certain margin. We also use variants of our models to address these questions. We finally discuss applying these predicted probabilities for use with the Kelly Criterion for simultaneous wagering on outcomes of FBS games. (Received August 29, 2017)