1145-B5-1027   **David Miller***, 200 Bloomfield Ave, Department of Mathematics, Dana Hall, West Hartford, CT 06117. *Applied Sabermetrics: Using math to help a Divison I baseball team win.*

Analytics have been on the forefront of baseball research recently, ranging from player evaluation to in-game strategy. As the "Director of Baseball Analytics" at a mid-major Division I school, I tailor my research specifically to the our team's needs in hopes to win more games. In this talk, I will give my methods of using data science to build predictive models and present important data to the coaching staff in a meaningful way, including building an interactive Shiny application using R. (Received September 18, 2018)