Adjusted Plus-Minus are the NBA player power swares obtained from the following regression teindex of ith play in dataset y = pts scared by offensive team on play i € {0,1,2,3,4} P NOA Player 1,112 P Each player in NBA has power SCORE BIJM BP Model: Ye = Boff.team + Poff.team + in + Boff.team player 5 - Bolef.team - B def.team - ... - B acf. team luyers + Bo + E1 EE; = 0 (mean year hose) So, Xij = { | if intercept j=0 | if player j on offence in play i or decare in play i o else Adjusted Plu Minus (APM): use OLS to estimate the player Strength Jupies B Regularized Aljured Plus-Minus (RAPM); use Ridge Regression to estimate B Which have better predictive performance? Why? How bad is multicollinearity in basketbali?

HW: Adjusted Plus-Minus and RAPM

Obtain NBA play-by-play duta from, say, abastatr.