Richard: here are my thoughts on how to organize our discussion of the literature

Literature on Home Field Advantage

1. Established Fact
   1. Dowie 1982
2. Possible Channels
3. Decomposing Papers
   1. Ponzo Scoppa 2018
   2. Belchior 2020
   3. Uhrig Cross 2022
4. HFA papers that attribute overall fan effect to referees specifically
   1. Bryson et al 2021
   2. Endrich and Gesche 2020
   3. Reade et al 2021
   4. Scoppa 2021
   5. Fischer and Haucap 2021 – explicitly do NOT find evidence of referee effect

Literature on VAR

1. VAR increases the accuracy of referee decisions (Spitz Wagemans Memmert Williams Helsen)
   1. Difficult to enforce “standards” (Zglinski)
2. Papers that show VAR matters in some important match characteristics
   1. Goals per game
      1. Increase (Errekagorri Castellano Echeazarra and Lago-Penas) “the findings of the study suggest that the VAR hardly changes the game in elite soccer”
   2. Penalties per game?
      1. Increase (Holder Ehrmann Konig) (for both home and away) “the home team gains an advantage from playing in front of the home crowd, but not as a result of referee favouritism [sic]”
      2. Increase (Kubayi Larkin Toriola)
   3. Fouls per game
      1. Decrease (Han Chen Lago-Penas Wang Liu)
      2. No effect (Errekagorri Castellano Echeazarra and Lago-Penas)
      3. Decrease (Lago Penas Rey Kalen)
      4. Decrease (Meneguite et al)
   4. Cards per game
      1. Increase in reds (Holder Ehrmann Konig) change disproportionately favors away team, suggesting initial home bias is being corrected
      2. Decrease in yellows (Lago Penas Rey Kalen)
      3. Decrease in yellows (Meneguite et al)
   5. Offsides per game
      1. Decrease (Han Chen Lago-Penas Wang Liu)
      2. Decrease (Kubayi Larkin Toriola)
      3. Decrease (Lago-Penas Gomez Pollard)
      4. Decrease (Lago Penas Rey Kalen)
      5. Decrease (Meneguite et al)
   6. Corners per game
      1. No effect (Errekagorri Castellano Echeazarra and Lago-Penas)
   7. Playing time
      1. Increase (Errekagorri Castellano Echeazarra and Lago-Penas)
      2. Increase (Han Chen Lago-Penas Wang Liu)
      3. Increase (Kubayi Larkin Toriola)
      4. Increase (Lago-Penas Gomez Pollard)
      5. Increase (Lago Penas Rey Kalen)
   8. Home bias wrt added time
      1. Decrease (Holder Ehrmann Konig) (only in Serie A, not the Bundesliga)
3. Papers that combine the two and at least think about HFA
   1. Chen Han Lago-Penas Wang Liu
      1. Only Chinese Super League
      2. Only two seasons
      3. Ignores various other factors that might contribute to HFA