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| --- | --- | --- | --- | --- | --- | --- |
| Title | Authors | Year | Journal | Latex citation | Topics | Summary |
| HRR in Soccer: Analysis of UEFA EURO 2012  and FIFA World Cup Tie-breaking Systems | Yannick Berker | 2014 | European Sport Management Quarterly | berker2014tie | HRR (Heteronomous Relative Ranking) | HRR is more likely under UEFA regulations due to the head-to-head prioritization  FIFA’s tie-breaking system is more robust in preventing HRR by emphasizing overall team performance |
| The importance of suspense and surprise in entertainment demand: Evidence from Wimbledon | Paolo Bizzozero, Raphael Flepp, Egon Franck | 2016 | Journal of Economic Behavior & Organization | bizzozero2016importance | Suspense and surprise | Suspense and surprise are complementary and demand for entertainment is stronger for higher levels of suspense and surprise. Surprise seems to be more important than suspense. |
| How to avoid uncompetitive games? The importance of tie-breaking rules | László Csató | 2023 | European Journal of Operational Research | csato2023avoid | Tournament design, uncompetitive/unnecessary games | Tie-breaking rules might affect the occurrence of uncompetitive games.  Collusion opportunities created in the matches played.  **preferring goal difference to head-to-head results in tie-breaking is unambiguously beneficial for the excitement**  **of the games.** |
| UNSCRIPTED DRAMA: SOCCER AUDIENCE RESPONSE TO SUSPENSE,  SURPRISE, AND SHOCK | BABATUNDE BURAIMO, DAVID FORREST, IAN G. MCHALE and J.D. TENA | 2020 | Economic Inquiry | buraimo2020unscripted | Demand pl, surprise and suspense. | Suspense measure is driven by event on the field.  Short time inertia in viewing  Suspense, surprise, and shock all contribute to demand for broadcast.  Shock plays a role in determining demand only in the second half of a football game |
| Suspense and Surprise | Jerey Ely  Alexander Frankel  Emir Kamenica | 2015 | Journal of Political Economy | ely2015suspense | Definition of surprise and suspense |  |
| On the Edge of Your Seat: Demand  for Football on Television and the  Uncertainty of Outcome Hypothesis | Kevin Alavy, Alison Gaskell, Stephanie Leach, and Stefan Szymanski | 2010 | International Journal of Sport Finance | Alavy2010edge | Relationship between television demand for English football and outcome uncertainty.  The model links the measures of outcome uncertainty to minute-by-minute viewership data | What matters most is the progression of the game  As drawing looks increasingly likely, interest drops.  Viewers are attracted to unexpected |
| Competitiveness in Formula One | Ronald Peeters, Dennis Wesselbaum | 2023 | Sport Economic Review | Peeters2023competitiveness | Competitiveness |  |

**Suspense**

* bizzozero2016importance : feeling of excitement or anxiety while waiting for something uncertain to happen . A forward-looking approach that evolves through the assessment of future events.
* ely2015suspense: suspense focuses on anticipated variance in belief about the future, the agent derives utility from expecting large changes in belief, even if those changes do not materialize

**Surprise**

* bizzozero2016importance: an unexpected event, or the feeling cause when something unexpected happens. A backward-looking approach that evolves by assessing past events/predictions.
* ely2015suspense: surprise focuses on realized variance in beliefs. The agent derives utility from the actual, observed shifts in belief over time.

Bayesian setting: people transform their prior beliefs into posteriori beliefs when new and relevant information arrives

**Shock**

* buraimo2020unscripted**:** difference between current outcome probabilities and pre-match outcome probabilities.

Literature that **relates uncertainty of outcomes to suspense**