Economics Seminar, Indian Statistical Institute, New Delhi.

SPEAKERS: Nils Rudi (INSEAD)

TITLE: In-play football prediction

TIME: 11:30-1:00

DAY & DATE: Friday, 14th October

PLACE: Seminar Room 2

 Abstract:

For in-play football prediction, we consider a model based on Poisson arrival rates of goals. We prove that for a given pre-game trinomial predictive distribution of the result (i.e., home, tie and away), there exist a unique pair of Poisson arrival rates which correspond to it. This facilities the base model of in-play prediction with an absolute minimum requirement of data analysis. This result is extended to non-stationary arrival rates and state (score difference) dependent arrival rates. We perform an empirical investigation of the models using a large set of data from multiple leagues, and contrast the results with those of logistic regression. In the presentation, I will also talk about multiple research opportunities in football, and current work we are doing with an extensive data set from the English Premier League.

http://www.isid.ac.in/~pu/seminar.html