Predicting College Football Rankings
Jim Bennett

Anyone who follows college football will tell you that the Bowl Championship Series, or BCS, is interesting to say the least. We can do a minimal amount of research and see that the BCS has fallen under much scrutiny in past years. The voting polls, however, have not really been looked at extensively. Can we use a few parameters from each game and predict which teams will be ranked in the top 25 by the voting polls? Can we also use the results from the first question to find a bias among voters? Our journey to answer both questions starts here.

Mathematics of Limit Hold'em
Dave Braunlich

Some say that poker is game of luck. In the last ten years the “poker boom” has drastically increased its popularity. However, we have seen a certain group of professionals that exploit the game’s mathematical principles to reap tremendous profits. In this talk we use limit Texas hold'em to explore what these principles are. Using expected value and probability theory we look at some common post-flop situations to find and develop an optimal strategy to maximize our profits.