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**Reza O Abbasian\*** (rabbasian@tlu.edu), 1000 W. Court St., Dept of math-CS-IS, Texas Lutheran University, Seguin, TX 78155, and **John T Sieben** and **Apyrl Canales**. *A probability model for predicting the outcome of International soccer games in overtime and beyond*. Preliminary report.

In this presentation, we will explore the statistical models, which can be used to determine the probability of winning in an international soccer game as a function of the difference in ranking ( FIFA and Elo) for matches which either ended at the overtime or penalty kicks. We intend to show that the probability of winning for a higher ranked team decreases as the games goes beyond the standard ninety minutes. For a more complex model we will introduce other variables such as home field advantage. We have used logit regression and over twenty four years of data (six world cups, and six European, Asian , African cup of nations, Copa America and UEFA Euro championships) to create our model. (Received September 18, 2018)