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Reza O Abbasian (rabbasian@tlu.edu), Texas Lutheran University, Dept of Math-CS, 1000 W. Court St., Seguin, TX 78155, **John T Sieben*** (jsieben@tlu.edu), Texas Lutheran University, Dept of Math-CS, 1000 W. Court st., Seguin, TX 78155, and **Oakley Saint-Vincent**. *Application of Grey Model to Predict the Results and Detect the Anomalies of Olympic Track and Field Events*. Preliminary report.

In this presentation, we will use the first Grey method to model the results of Olympic track and field events. Grey method relies on certain combination of elements of a discrete time series to create a smoother sequence. Specifically, we will be utilizing our model to predict and compare the winning results for the Seoul Olympics and show that the actual results were highly improbable which in turn led to the establishment of the World Anti-Doping Agency to enhance the reliability of tests for detection of performance enhancing drugs for the subsequent Olympics. Five years ago, we attempted this project using a biased least squares approach to develop exponential regression models to predict the winning results. In this talk we will give a brief description of the Grey method, compare our results based on the Grey model to the least squares approach and show that the Grey method compares favorably with our previous approach. We will also use the known results of the Rio Olympics to check the validity of the Grey method and then will use the method to predict the results of the Tokyo Olympics. (Received September 05, 2019)