

1086-K5-21

Eva G Sagan* (egsagan@manchester.edu), 604 East College Avenue, North Manchester, IN 46962. *Applications of Basic Statistics in World Cup Soccer between 1930 and 1990*. Preliminary report.

This paper plans to demonstrate applications of basic statistics during the games of the World Cup Soccer Competitions held between 1930 and 1990. Data was collected for the top twenty scoring men's World Cup Soccer teams during this time period. From the data we determined the mean, median, standard deviation, skew direction, quartiles, and outliers. An historical overview for World Cup Soccer games during this time period will also be presented in order to understand why outliers existed. A statistical analysis summary will be provided which may give a fuller understanding of World Cup Soccer games. The pedagogical merits of teaching statistical concepts through sports will be emphasized. (Received May 08, 2012)