The purpose of this investigation is to find any relationship between hunting seasons and deer and elk population. The idea came while I was out hunting, there seemed to be more deer and elk during the season than after the season. After researching, I hypothesized that there will be a 5%-10% change for deer and a 15%-20% change for elk. I went online to the Colorado Division of Wildlife website (CDOW) located at http://www.wildlife.state.co.us/Hunting/BigGame/Statistics/ and scrolled down to the 2007 statistics and clicked on harvest data. Obtaining the 2007 deer and elk harvest data, I then scrolled down to the 2007 statistics and clicked on the 2007 deer post hunt population estimates. I did the same for Elk. I repeated the second step for 2004-2006 hunting harvest data and again for 2004-2006 post hunt estimates. To get the total population I added the 2007 harvest total to the 2007 post hunt estimates for both deer and elk. I repeated this for 2004-2006. Next, I used my calculator and divided the total taken by total population (total taken/total population) and subtracted from 100 for all years 2004-2007 deer and elk. The data proves there were a 6.4%-7.7% loss of population for deer and a 14.3%-18.7% loss of population for elk. The hypothesis was proven correct. This could be important because if there was a major loss of population (30%-40%) hunting season could be stopped until the population regenerates. It also proves the importance of hunting in maintaining a healthy herd size.