



**CALIFORNIA SCIENCE & ENGINEERING FAIR
2019 PROJECT SUMMARY**

Name(s) Gabriel Reder	Project Number S0418
Project Title Arbitrary Altruism Actions' Effects on the Possible Downturn of Aggression on Subjects with Contrasting Spectrums	
Abstract Objectives The objective of this project was to see if random acts of kindness could effect the aggression level in male and female subjects. These subjects would range from low to high levels of aggression and participate in this study for a six month period. Methods Each subject was categorized into low, medium, or high levels of aggression,by gender,Buss and Perry aggression test which was formatted into a computer program. Over a six month period half of the subjects, in each aggression level, agreed to participate in random acts of kindness. Every two weeks these subjects returned and filled out the computerized questions that recorded their new levels of aggression. Results The results showed that males showed the lowest change in their levels of aggression. There was no significant change in the lower levels of aggression across the board while there was a slight change for those that were female and high aggression. Conclusions Through this study I was able to find that random acts of kindness do not have a significant impact on a persons level of aggression long term. While there was a slight change for the high levels there was barely a change for the low and med levels. Random acts of kindness actually are not important, free standing, in regard to the aggression levels for people.	
Summary Statement Will aggression levels for male and female high, med, and low level aggression subjects, recorded through the Buss and Perry Aggression tests, be effected by random acts of kindness over a six month period?	
Help Received Professor Graham Pike	