



**CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY**

Name(s) Shreya Banerjee	Project Number S0404
Project Title Analysis of Correlation between Roles and Self-Esteem	
Abstract Objectives/Goals The purpose of my project was to determine if an increase in roles is the reason for an increase in self-esteem in the transition from teenage to adult. To analyze this, first I needed to determine whether adults had higher self-esteem and roles than teenagers and also look at the correlation between the number of roles a person sees himself or herself in and their self-esteem for teenagers and adults. Methods/Materials I distributed a survey to 20 adults and 21 teenagers. This survey consisted of a short explanation of what a role is, and asked them to list the roles, as well as having Rosenberg's self-esteem scale. The mean number of roles and self-esteem was found for teenagers and adults. The results were analyzed using a t test for two means to determine if self-esteem and roles were significantly lower in teens than adults. The correlation between roles and self-esteem was analyzed. Results Teenagers had significantly lower self-esteem and number of roles than adults, but the correlation between self-esteem and roles in both adults and teenagers was minimal. Conclusions/Discussion This implies that the increase in self-esteem is not due to the increase in the number of roles. There was a negligible correlation between roles and self-esteem in adults, implying that the number of roles is not important, but the importance of each role is more significant.	
Summary Statement This project was meant to determine whether there is a correlation between number of roles and self-esteem in adults and teenagers.	
Help Received Mother and sister helped arrange board.	