



**CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY**

Name(s) Shreya Banerjee	Project Number 34127
Project Title Analysis of Correlation between Roles and Self-Esteem	
<p style="text-align: center;">Abstract</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	
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.	