**CALIFORNIA STATE SCIENCE FAIR**  
**2009 PROJECT SUMMARY**

<table>
<thead>
<tr>
<th>Name(s)</th>
<th>Project Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Candace Huerta</td>
<td>S0310</td>
</tr>
</tbody>
</table>

**Project Title**  
Are You a Mean Girl?

**Abstract**  
My objective was to determine what percentage of teen girls are bullies, bystanders, and victims. My hypothesis was that 60% would be bullies; 30% would be bystanders, and 10% would be victims.

**Objectives/Goals**  
My objective was to determine what percentage of teen girls are bullies, bystanders, and victims. My hypothesis was that 60% would be bullies; 30% would be bystanders, and 10% would be victims.

**Methods/Materials**  
I created a survey with a rating of 1 through 5, listing the traits of the bully, bystander, and victims in a question format. Under the supervision of my teacher, Ms. Ventura, 41 teen girls completed the survey on a volunteer basis and anonymously. I then classified the questions into the following categories: passive bully, bully victim, aggressive bully, bystander, and victim. Finally, I calculated the averages and created graphs to show my results.

**Results**  
Of the 41 teen girls, 39% were non-bullies. Twenty-nine percent were bystanders. Seven percent were victims and 15% were bullies. Of the bullies, none fell in the classification of an aggressive bully. Five subjects (83%) were passive bullies. One subject classified as a bully-victim. Out of all the bullies, 66% of the subjects completely denied their bully behavior.

**Conclusions/Discussion**  
According to my data and observations, my hypothesis was incorrect. I hypothesized that 60% of the girls would be bullies; however there were only 15% bullies. The victims surveyed were 17%, higher than the 10% I hypothesized. However, my hypothesis about bystanders was fairly close. I believed it would be 30% and the results were 29%. My project is beneficial because it educates people. It puts a magnifying glass on the bullies. The bullies need to recognize their wrong behavior and modify it. Bystanders and non-bullies need to be educated so they can become Victim Advocates. Victims need to be empowered with coping techniques so suicide, depression, loneliness, anxiety, low self-esteem, and behavioral problems resulting from victimization will disappear.

**Summary Statement**  
My project was to determine what percentage of teen girls are bullies, bystanders, and victims.

**Help Received**  
My teacher, Ms. Ventura, showed me how to create the graphs; also a statistician gave me suggestions as to how to interpret my data.