



California Science Center
CALIFORNIA STATE SCIENCE FAIR
2001 PROJECT SUMMARY

Your Name (List all student names if multiple authors.) Lauren E. Bernstein	Science Fair Use Only <h1 style="margin: 0;">J0202</h1>
Project Title (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9) What Type of Students Are Obsessive-Compulsive?	Division <u>X</u> Junior (6-8) _ Senior (9-12)
Preferred Category (See page 5 for descriptions.) 2 - Behavioral Sciences	
Abstract (Include Objective, Methods, Results, Conclusion. See samples on page 14.) Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges. <p style="margin-top: 10px;">The problem investigated was whether or not there was a correlation between Obsessive-Compulsive traits and high achievement in middle school and high school students. The hypothesis was that there is a correlation between Obsessive-Compulsive Traits and high achievement.</p> <p>To investigate the problem, the researcher conducted experimental trials. First, the researcher gave surveys to about 150 seventh and tenth grade students. The surveys had questions that determined the person's amount of Obsessive-Compulsive traits and there was a place for the test subject to put their academic GPA to determine how high of an achiever that person was. The questionnaires were returned to the researcher, they were scored, and the results were recorded in a chart. The initial data that was collected showed that there was no correlation between Obsessive-Compulsive traits and high achievement. In most graphs, as the GPA went up, the score on the Obsessive-Compulsive traits test stayed pretty much the same. It only went up and down by increments of 2, 3, and 4. The number of GPA's a person could have was very small so it was hard to tell the difference between each subject's high achievement and whether the scores correlated or not. For this reason, the researcher decided to conduct a second trial. In this trial, the range of GPA's was more varied, from 2.0 to 4.0, and there was a larger sample size of students.</p> <p>In the second trial, the researcher reformatted the data graphs in several different ways, and found that the hypothesis was true: there was a correlation between high achievement and Obsessive-Compulsive traits.</p>	
Summary Statement (In one sentence, state what your project is about.) The purpose was to find if students with high academic GPA's were more obsessive-compulsive than students with lower academic GPA's.	
Help Received in Doing Project (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4. Marshall Middle School and San Diego High School teachers handed out surveys for their students to take, my dad let me use his xerox machine	