

CALIFORNIA STATE SCIENCE FAIR 2013 PROJECT SUMMARY

Name(s)		Project Number	
Christian Inglehart		J1499	
Project Title The Monty Hall P	roblem		
Objectives/Goals	Abstract		
Hall Problem game are stati prediction in one school of t Methods/Materials Basically what I did was to plastic cups were set up to s choice was made in each tri- trial I stayed with the origin to switch and always made a Results My results in the first trial o 33.3% / 66.6% of 35% / 65% offered simulated door, my and wins respectively. Conclusions/Discussion My conclusions are that swi losses in the Monty Hall Pro- to the predicted results, the	imulate the doors of the game with a I al and an objective host removed a known al choice and recorded a win or loss. I a switch to the other offered door, and f not making a switch to the offered d %. However, in the second trial of alw results exceeded the predicted results tching doors does indeed make a sign	rs win / 66.6% - switch door win hoice prediction some claim to make. hine the results of these choices. Rows of Hotwheel car under one of three cups. A hown #door# with no car prize. In one In the other trial, I was offered a choice I again recorded results. hoor indicated results near the predicted yays making the switch to the other of 33.3% / 66.6% with 20% / 80% losses hificant statistical difference in wins and ugh one experimental trial was very close experimentally) may require more	

Help Received