

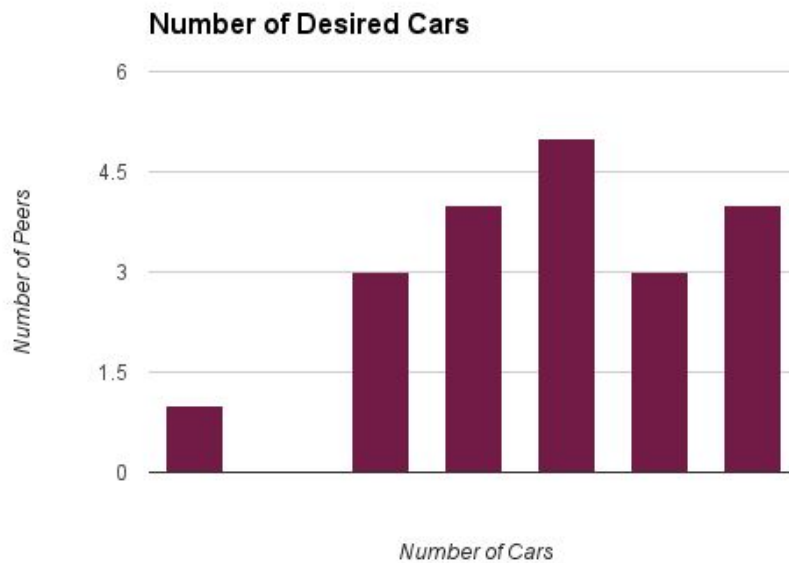
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A4

## Math

I made my survey wanting to know how many cars teenagers in the U.S. would like to own if nothing stood in their way. In high school it seems like having a car is part of the perfect, cool, and complete high school experience. Its interesting to me to find out others dream desires; also it makes me wonder what a peek at pollution conditions and factors would look like if only our desires would drive us and not have money issues or the guilt of global warming hold us back.

I asked 20 juniors, male and female, how many cars they'd like to own if nothing held them back. Their answers ranged from zero to six or more cars. I don't believe my data is reliable enough to be generalized. I only sampled 20 junior year high school students; all of them from the same school, and state, but also from different financial backgrounds and preferences or beliefs. To have my population be all of teenagers in the nation, my data is not reliable. After calculating my data I found I had a mean of 3.85, a median of 4, mode of 4, range of 3, standard deviation of 1.63. The mean of my data tells me that the average number of cars teenagers would like to own is about 3. The median, being 4, is the middle of the distribution. There are exactly as many values larger as there are smaller. Four is also the number that repeats the most often that is why it is also the mode. I wouldn't say my data is normal, but it may be considered close. Its not unimodal or symmetrical though its mean, median, and mode values are quite close.



In conclusion, I honestly thought more people would want 6 or more cars. Possibly one for everyday of the week. I'd definitely ask more people and in different places around the U.S. if I were to continue on with this survey. I also didnt really think about how biased my survey is. I only surveyed juniors and so most of them already had a car to begin with. Most teens love driving in general i think. Maybe a more reasonable survey would be to conduct it on not just junior year high school students. I think I should get around a B- on this project.