Cookie Showdown

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My science fair project is what types of cookies do the majority of people prefer homemade or store bought. My project is important because it could let people know what to buy for parties or get togethers.

Method

This section outlines the procedures, materials, and participants involved in conducting this experiment. I think people will like the homemade cookies more than the store bought. I think this because homemade cookies have a fresh taste that everybody loves and the homemade are much healthier.

All materials used in this experiment are described below to allow for full replication of the procedures. In this project I used 27 store bought cookies and 27 home made cookies. The homemade cookies were much more fluffy and cakelike than the store bought cookies. I tested 27 people to see which cookie they liked more. I used a computer to log my results into a doc and the logbook. One more thing I used was napkins to give the cookie to the tester.

This section outlines the specific procedures used to carry out the experiment and gather reliable results. First make cookies (must be chocolate chips).Then buy chocolate chips from the store. Next cut each cookie into halves and give one half of each cookie without telling the person which cookie it is. After they eat both cookies ask the person which cookie they liked more then mark a tally on a paper or a google doc. For the most accurate results do a minimum of at least 5 trials. Finally log that information in the log book.

Overall, the results of this experiment showed a clear pattern that helps answer the original research question. The results told me that the store bought cookies were the ones that

the most people liked more. The results were that out of 27 people 14 liked the store bought and 13 liked the homemade cookies.

Results

This section presents the results of the experiment, including measurements and observations recorded during each trial. My hypothesis was that I think people will like the homemade cookies more than the store bought. My hypothesis was contradicted. My results said that the majority of the people that I tested preferred the store bought cookies. Although the store bought cookies were good I thought the homemade cookies were better but a lot of people that I tested tasted cookies that were 1 or 2 days old so they were harder and less sweet than when they were fresh and sweet. The store bought cookies however looked and tasted the same from the day I got them for over a week.

Discussion

The purpose of this discussion is to compare the results of this experiment with findings from similar scientific studies and to explain what the results suggest about the relationship between the independent and dependent variables. Lia Peralta Joa did the study of homemade vs. store bought cookies. She found that 53% of America preferred homemade cookies instead of packaged cookies.

(Lia Peralta Joa, April 23, 2024)

The purpose of this discussion is to compare the results of this experiment with findings from similar scientific studies and to explain what the results suggest about the relationship between the independent and dependent variables. Caitlin Shoemaker did the experiment “can college students taste the difference between homemade cookies and store bought cookies.” She found that the students like the cookies from scratch rather than boxed.
(Caitlin Shoemaker February 5, 2015)

Much information can be found about cookies. In my experiment the home made cookies got hard and much less sweet after just about 2 days but the store cookies looked and tasted the same for over 2 weeks.

Conclusion and Future Study

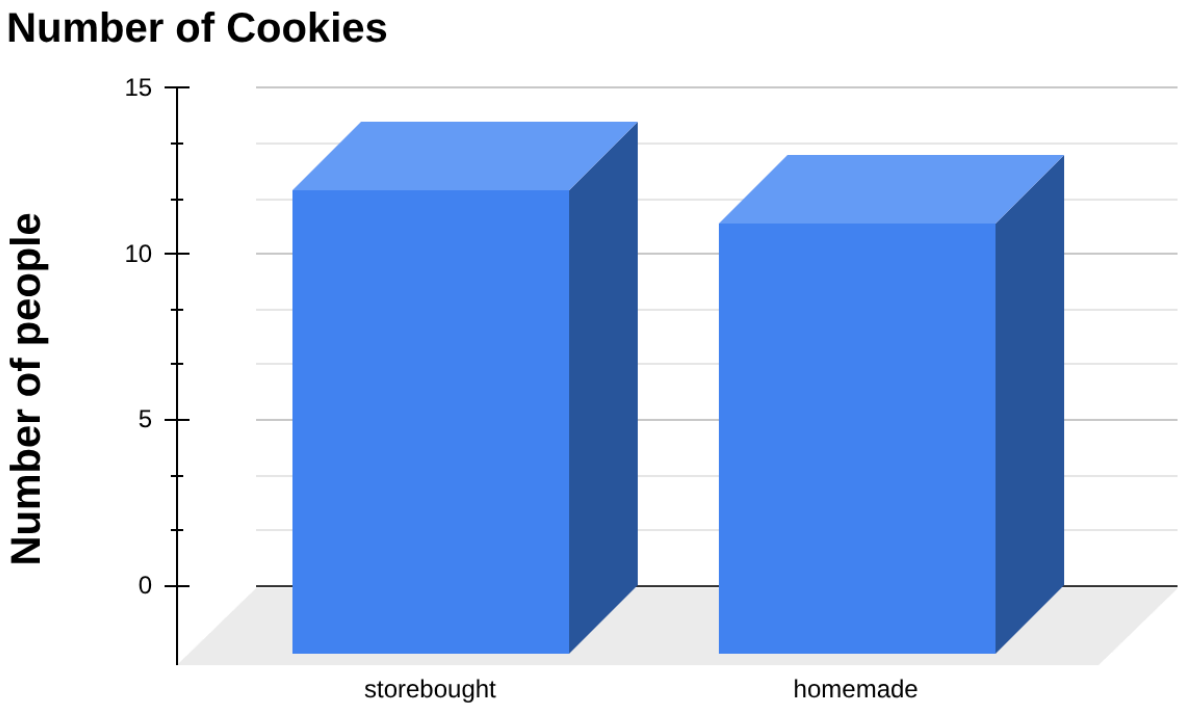
The results of this experiment contradicted the hypothesis, revealing that the data did not support the original prediction. The experiment was successful because I completed my objective.The results proved that store bought cookies are more liked by the majority of people that I tested. If I were to do this again I would change who made the cookies because people have different tastes and preferences so if someone different made the cookies more people might like the other type of cookie. I also would have tested everyone on the same day because on the second day the cookies were made they were already hard and less sweet than when they were fresh. Overall the original hypothesis was incorrect because the experiment did not support my hypothesis.

References

Joa, L. (2024). Homemade Cookies v. Store-Bought Cookies, The Penndulum. Retrieved January 23, 2026, from https://phspenndulum.org

Shoemaker, C. (2015). Can College Kids Taste the Difference Between Store-Bought and Homemade Cookies?, SU at PITT. Retrieved January 23, 2026, from https://spoonuniversity.com

Appendix



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