Cookie Showdown

Introduction

In this experiment I will test what the majority of people prefer: store bought or homemade cookies.

Statement of the Problem

What is the problem in this experiment? The problem in this experiment is which cookie does the majority of people like more: store bought or homemade cookies. I want to do this experiment because I want to pass on the results to other classes so they know what more people would rather eat. The information gained from this experiment will help other people because people will know which cookies most people will rather have.

Hypothesis

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 homemade cookies are much healthier.

Materials

- Store bought cookies (30)
- Homemade cookies (30)
- 27 people
- Computer
- napkins

Variables

Independent- cookies (homemade vs. store bought)

Dependent- cookies(taste preference)

Control -serving size, presentation, temperature of cookie, same environment

Procedures

1. Make cookies (must be chocolate chip)
2. Buy cookies (chocolate chip)
3. Cut each cookie into halves
4. Bring them to school
5. Give one half of each cookie without telling the person what it is
6. Ask the person which cookie they liked more
7. Make a tally on a paper or doc
8. Log that information on the log book

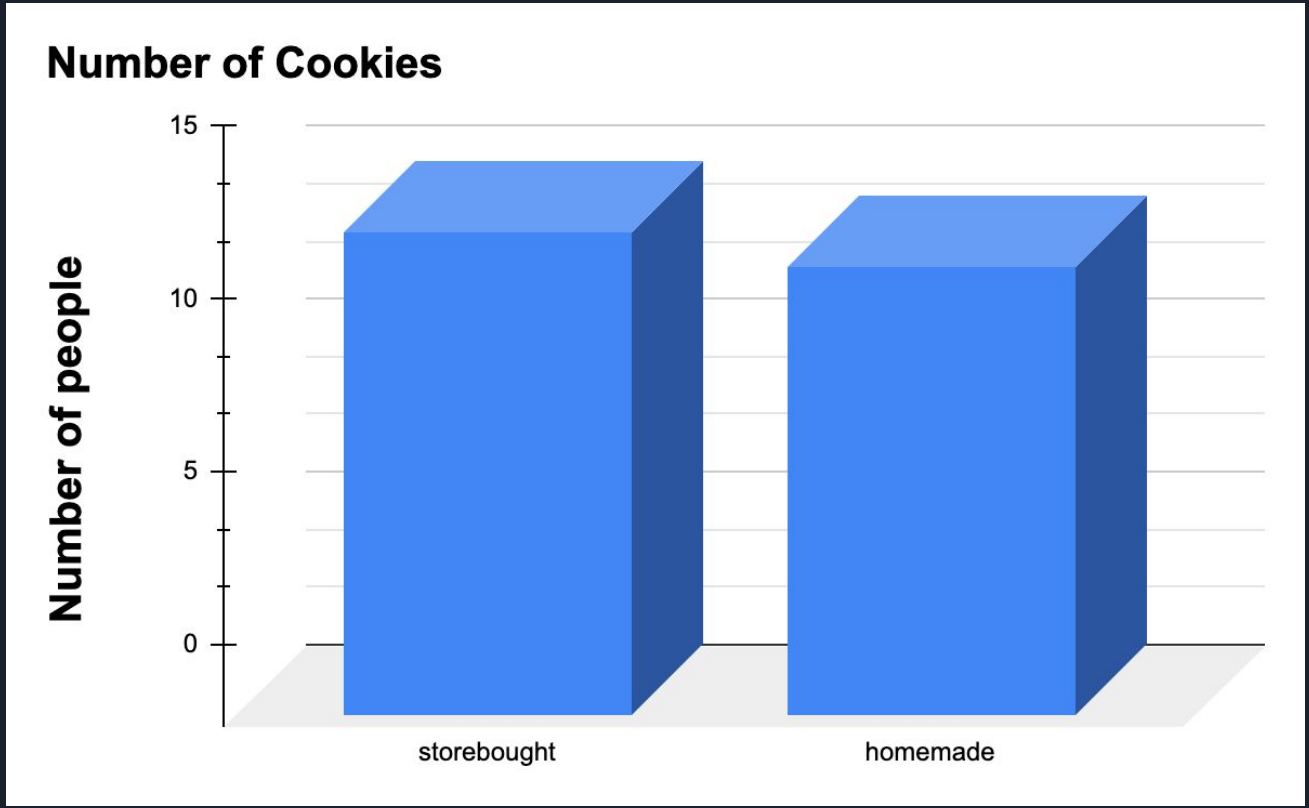
Results and Data

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.

Results: Data Table

number of cookies	
store bought cookies	14
Homemade cookies	13

Results: Data Graph



Photographs of Project:

Flour

Sugar

Eggs

Conclusion

My results contradicted my hypothesis because the majority of the people that I tested liked the store bought cookies more. I did complete my objective. The experiment was successful because I figured out that more people like packaged cookies. The results proved that more of the people I tested liked the cookies I bought.

Implications and Ideas for Future Research...

I learned that if you are going to donate to a party you should buy and not make cookies because more people will enjoy the boxed cookies. 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 homemade cookies were already hard and less sweet than the day they were baked.

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

Cookie Showdown

Variables

Independent - cookies (homemade vs. store bought)
Dependent- cookies(taste preference)
Control -serving size, presentation, temperature of cookie, same environment

Objective

In this experiment I will test what the majority of people prefer store bought or homemade cookies.

Results

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