

Mission Impawsible: Treat Protocol



Introductions/Research

There is much information to be found on the topic of dogs. Melinda Santos conducted a science experiment on which color dogs like the most. She used ten dogs and a sheet of red, yellow, green, blue, and purple paper with a treat on top of it. The result of this experiment is that the dogs usually go to blue or yellow.

(Please see reference slide)

Science buddies conducted an experiment on how intelligent dogs are. Unfortunately it did not show the result but at AKC (American Kennel Club) it says dogs are very intelligent and are used around the world for various jobs like searching for weapons, finding bombs, helping people in natural disasters, etc... (Please see reference slide)

“According to Found Animals, American pit bull terriers were originally bred to drive and catch livestock and to serve as the ideal family companions.” (Please see reference slide) According to CCSPCA, American pit bull terriers are not inherently aggressive dogs. In fact, in temperance tests, Pit Bulls were the second most tolerant breed behind Golden Retrievers.” (Please see reference slide)

Statement of the problem

What is the problem in this experiment? In this experiment I will be seeing which treat my dog likes the most. The reason I'm interested in this experiment is because I love my dog and she is probably my best friend in the whole world and I want to find a treat that she likes and that's beneficial for her health. I think this experiment will help others by showing dog owners/lovers the best treat for their canine friend that is good for their taste buds and their health.

Question / objective

In this experiment I will be testing to see what my dog's preferred dog treat is. I will do this by selecting different dog treats and making the selection random each trial by changing the order of them.

Hypothesis / Predictions



I hypothesize that my dog would prefer the treat that is more organic than the others (Nudges). I think this because in nymag research shows that dogs usually go for organic meat due to their ancestry.

Variables

Independent-the different treats:Blue Buffalo bones with beef ,Milo's Kitchen chicken meatballs,Nudges Jerky Cuts
Dependent-how much times my dog returns to the same treat

Materials

- Blue Buffalo bones with beef 20x
- Milo's Kitchen chicken meatballs 20x
- Nudges Jerky Cuts 20x
- Logbook 1x
- Chromebook laptop 1x
- Dewalt measuring tape 16' 1x
- 1.5 year old female american pitbull 1x
- 42"double down kennel/cage 1x



Procedures

1. Gather all materials;Blue Buffalo bones with beef 20x,Milo's Kitchen chicken meatballs 20x,Nudges Duck Jerky Cuts 20x,Logbook 1x,Chromebook laptop 1x,measuring tape 1x, 1.5 year old female american pitbull 1x,42" double down kennel/cage 1x,
2. Lock the dog in a 42" cage/kennel on the other side of the door, outside of the testing area.
3. Get treats and set them up X distance from the door where the dog enters the testing room. The treats will be set on separate tiles 6 centimeters apart.
4. Put one of each treat on each tile (they will not be same size)
5. Measure treats with measuring tape to make sure they are equal distance from cage
6. Get Logbook and camera ready to record all data and observations.
7. Open 42" kennel/cage with dog
8. Let her find the treats
9. Let her pick a treat
10. Take pictures while she picks a treat
11. Let her eat the treat of choice
12. Write down in logbook the treat that the dog picked
13. Repeat steps 20 times (10 times at 7:20 a.m. and 10 times at 6:00 p.m.)



Results and Data



The results of the experiment were expected. My hypothesis was supported. The results for this experiment showed that after finding the percent of my 20 trials, the Nudges Duck Jerky Cuts was picked 65% of the time, the Blue Buffalo bones with beef was picked 20% of the time, and the Milo's Kitchen chicken meatballs was picked 15% of the time. This information indicates that the "Nudges Jerky Cuts" was chosen by my dog the most times making it the best treat for my dog.

Results: Data Table

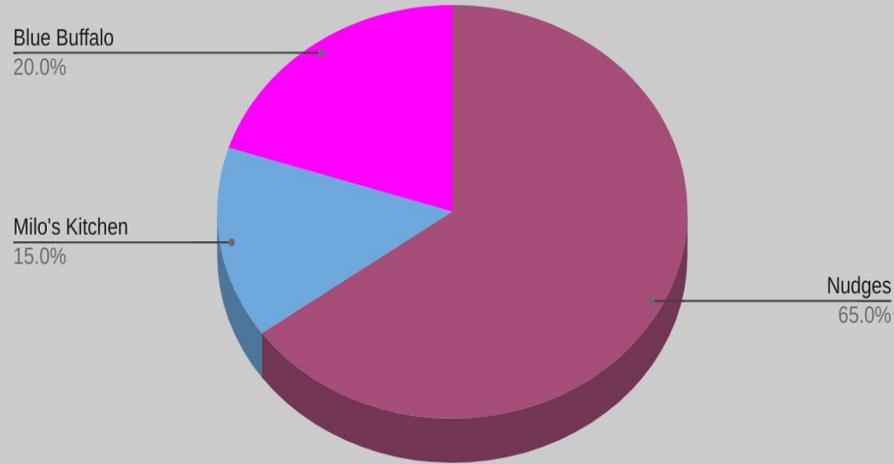
Treats	Nudges	Milo's Kitchen	Blue Buffalo
# of times selected	13	3	4

Treats	Nudges	Milo's Kitchen	Blue Buffalo
ranking	13	3	4

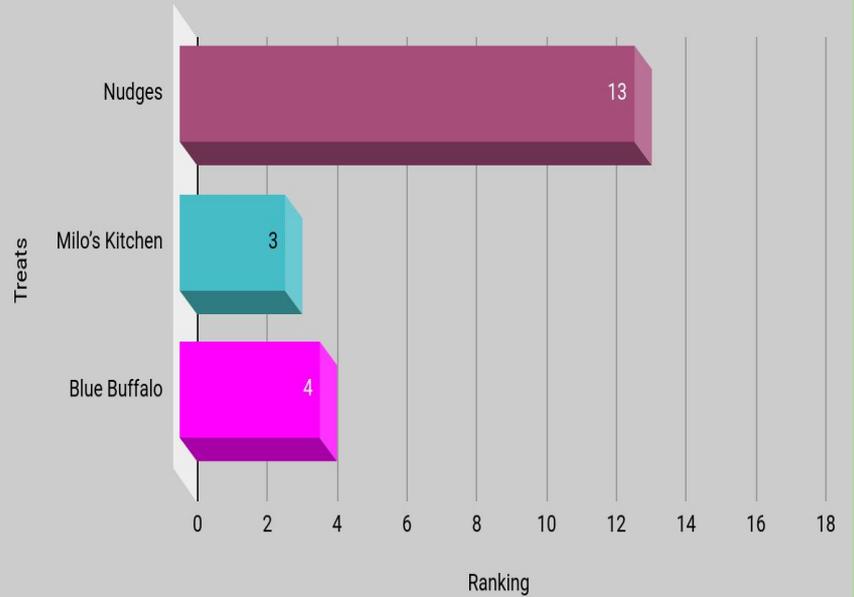


Results: Data Graph

percentage of times a treat was selected by my dog



Ranking-treats



Conclusion

For this experiment, my hypothesis was supported. My experiment worked because I followed the instructions carefully and made sure there were no more variables or things to make my test subject pick a choice that might make the test not as precise. My results told me that my dog preferred Nudges Jerky Cuts over the other treats. This proves that my dog prefers Nudges Jerky Cuts.

CONCLUSION



Implications and Ideas for Future Research...

If I were to change this lab I would change it by doing it in a more controlled environment. to take this to the next level I would test 50 dogs. To make my result more precise I would put a camera near the treats and leave to the other room so I don't affect the results. I would make a larger sample size by using more dogs and more treats.



References

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