

Title: Likeability between Cats and Dogs

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Research Questions

- Do people have pets just for enjoyment or with the goal of decreasing their stress levels? If they are trying to lower stress, are they more likely to choose cats or dogs?

Methods

- There was thirty-two participants
- The survey was conducted on survey monkey <https://www.surveymonkey.com/r/LJZGVVG>.
- The survey questions were:

I like cats.

Strongly Agree Agree Neutral
Disagree Strongly Disagree

I like dogs.

Strongly Agree Agree Neutral
Disagree Strongly Disagree

My dog makes me feel less stressed.

Strongly Agree Agree Neutral
Disagree Strongly Disagree

My cat makes me feel less stressed.

Strongly Agree Agree Neutral
Disagree Strongly Disagree

I have pets specifically to lower my stress level.

Strongly Agree Agree Neutral
Disagree Strongly Disagree

Results

After data was gathered, StatDisk was used to perform a t-test for each of the possible relationships. Results are presented in the following tables.

- Correlation Results:

Correlation coeff, r: -0.2306742
Critical r: ± 0.3493697
P-value (two-tailed): 0.20402

Above shows a comparison of liking cats and liking dogs. There was not a statistical significance between liking dogs and liking cats.

- Correlation Results:

Correlation coeff, r: -0.1259676
Critical r: ± 0.3493697
P-value (two-tailed): 0.4921

Above shows a comparison of liking cats and if dogs make the participant feel less stressed. There does not seem to be any statistical significance between liking cats and dogs reducing stress.

- Correlation Results:

Correlation coeff, r: 0.7204237
Critical r: ± 0.3493697
P-value (two-tailed): 0.000

Above shares the relationship between liking cats and feeling less stressed by cats. There is a strong significance between the two variables which suggests that the people who like cats most likely does not feel stressed by them.

- Correlation Results:

Correlation coeff, r: 0.3131763
Critical r: ± 0.3493697
P-value (two-tailed): 0.08093

Above are results for liking cats and having pets to help decrease stress. It shows there is no statistical significance between liking cats and having a pet specifically to help with stress.

- Correlation Results:

Correlation coeff, r: 0.7458152
Critical r: ± 0.3493697
P-value (two-tailed): 0.000

Above is comparing liking dogs and dogs reducing stress. Liking dogs and dogs reducing stress have a strong statistical significance.

- Correlation Results:

Correlation coeff, r: -0.2837006
Critical r: ± 0.3493697
P-value (two-tailed): 0.1156

Above is showing the relationship between liking dogs and reducing stress from cats. It shows that there is no statistical significance.

- Correlation Results:

Correlation coeff, r: -0.2151996
Critical r: ± 0.3493697
P-value (two-tailed): 0.23687

Shown above is the relationship between liking dogs and having a pet to help with stress. There is a no statistical significance between the two.

- Correlation Results:

Correlation coeff, r: -0.1579585
Critical r: ± 0.3493697
P-value (two-tailed): 0.3879

Above presents the relationship between dogs reducing stress and cats reducing stress. There is no statistical significance.

- Correlation Results:

Correlation coeff, r: -0.0250171
Critical r: ± 0.3493697
P-value (two-tailed): 0.89189

Presented above is a comparison between dogs reducing stress and having a pet for stress reduction. This suggests that dog owners did not get their dogs specifically to help with stress reduction.

- Correlation Results:

Correlation coeff, r: 0.4085188
Critical r: ± 0.3493697
P-value (two-tailed): 0.02027

Above shows the relationship between cats reducing stress and having a pet for stress. This suggests that people get cats specifically for the purpose of reducing their stress.

Conclusions

The results from this research found a mixture of results. There is statistical significance between cats reducing stress and having a pet to reduce stress, liking dogs and dogs reducing stress, and liking cats and feeling less stressed by cats. This is important in seeing if a person's cat or dog preference has anything to do with their stress level and vis versa.

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For further information

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