Do Dogs Possess Self-Control?

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Self Control: Do Dogs Have It?
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Introduction
- Each year 6 to 8 million pet dogs enter shelters, 60% of which are euthanized
- Dogs are taken to shelters due to behavioral problems such as aggression, destructive behavior, and separation anxiety
- A strong predictor of negative behavioral problems in humans is self-control (Mischel et al., 1972), therefore we have reason to believe this may be true in dogs
- A potential solution is to find a way to measure self-control in dogs
- Self-control has been measured in Capuchin monkeys using a spinning wheel that made food available after various delays (BramleZ et al., 2012).
- We adapted BramleZ et al.’s methods to test self-control in dogs

Methods
- Participants:
  - 8 dogs varying in breed

Results

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<th>Session 1</th>
<th>Session 2</th>
<th>Session 3</th>
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<th>Session 5</th>
<th>Session 6</th>
<th>Session 7</th>
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<td>Fritz</td>
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Overall Percent of Trials Waited

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<th>Luke</th>
<th>Ruger</th>
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<td>Percent (%)</td>
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<td>25%</td>
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* Performance significantly different from chance suggesting self-control, p < 0.05

Discussion
- Some dogs exhibit self-control, while others do not
- Dogs, like humans seem to employ distraction behaviors to facilitate self-control (Mischel et al., 1972)
  - Looking away
  - Sticking nose into opening of wheel to push past kibble and get to better tasting treat
  - Laying down
- Further Conditions
  - 15 second delay period
  - In addition, we will change ratio of jerky treat along with delay period
    - 1:4 jerky treat ratio with 10 second delay period
    - 1:2 jerky treat ratio with 15 second delay period

References

Acknowledgements
We would like to thank Paradise Pets for allowing us to conduct our research in their facility. In addition, we would like to thank the owners of the Paradise Pet dogs for their interest and participation in our study.