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The Domestic Dogs' (*Canis Familiaris*) Understanding of Intentional and Goal Oriented Action

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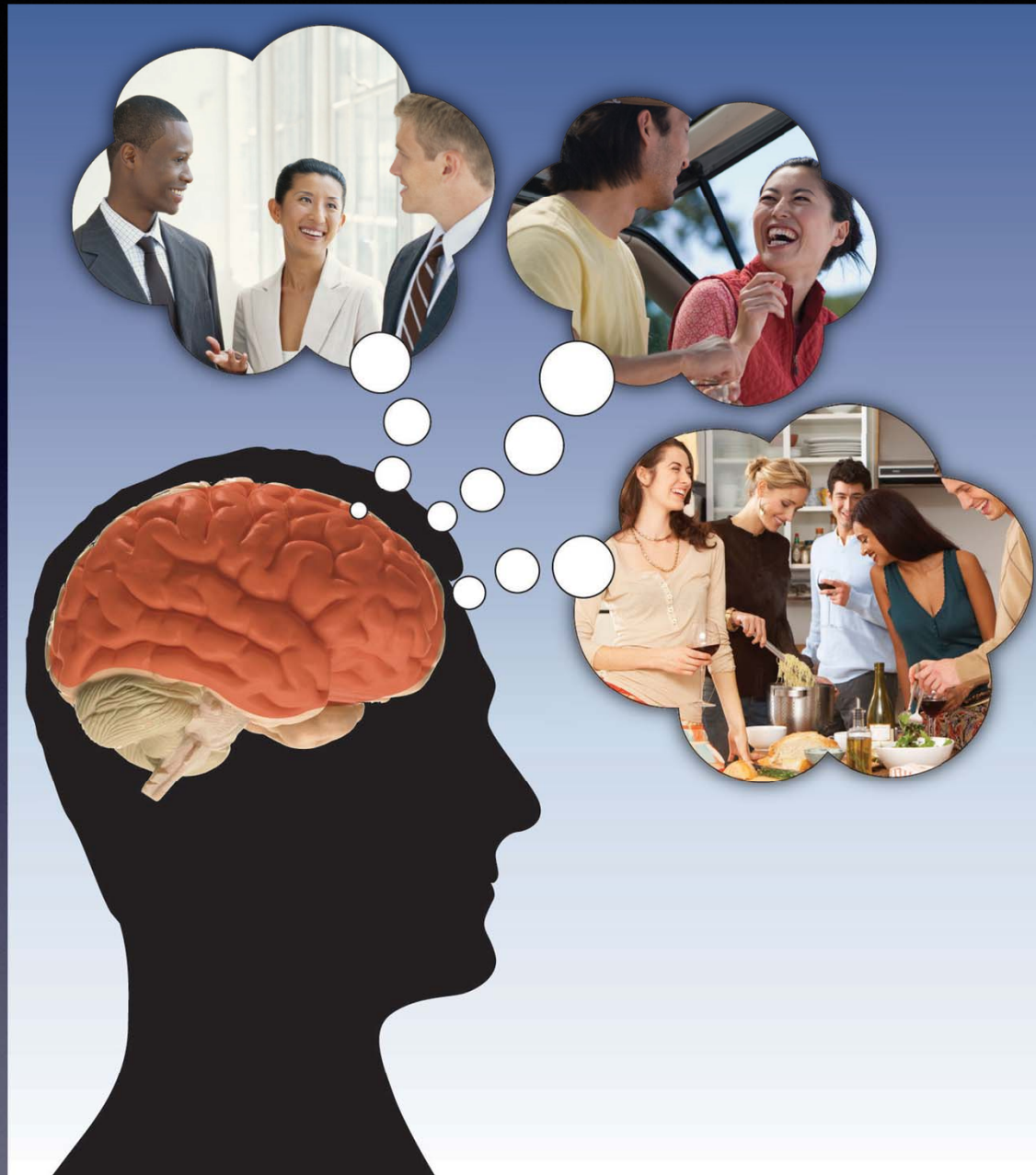
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The Domestic Dogs' (*Canis lupis familiaris*) Understanding of Intentional and Goal Oriented Action

By: KiriLi Stauch, Stephanie AuBuchon, & Ellen Furlong



Picture: http://catalog.flatworldknowledge.com/bookhub/2105?e=stangorsocial_1.0-ch01_s02

Introduction



Introduction



Picture: http://www.forbes.com/fdc/welcome_mjx.shtml

Introduction

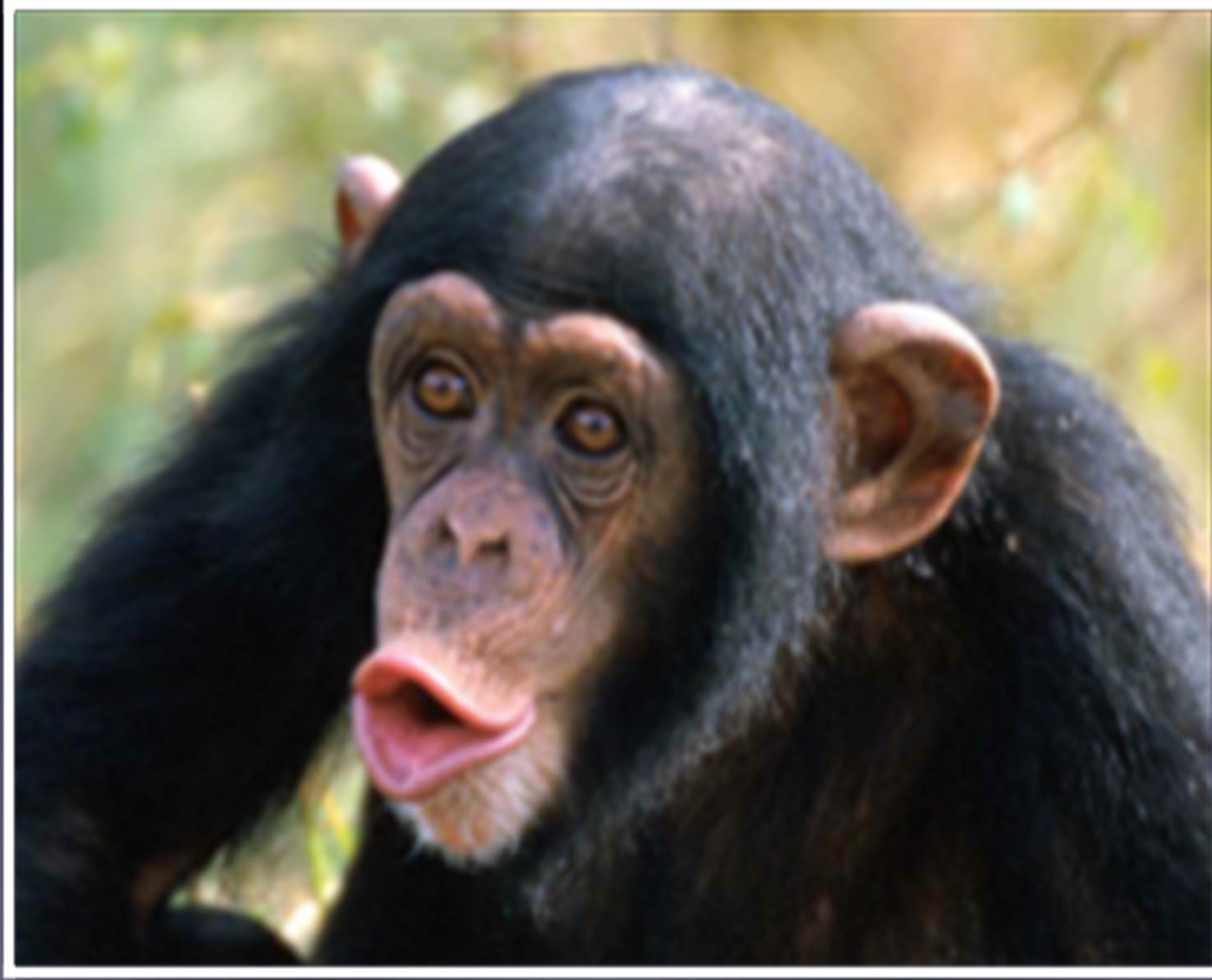


Human Infants' Understanding of Goal Oriented Action



Woodward, 1998

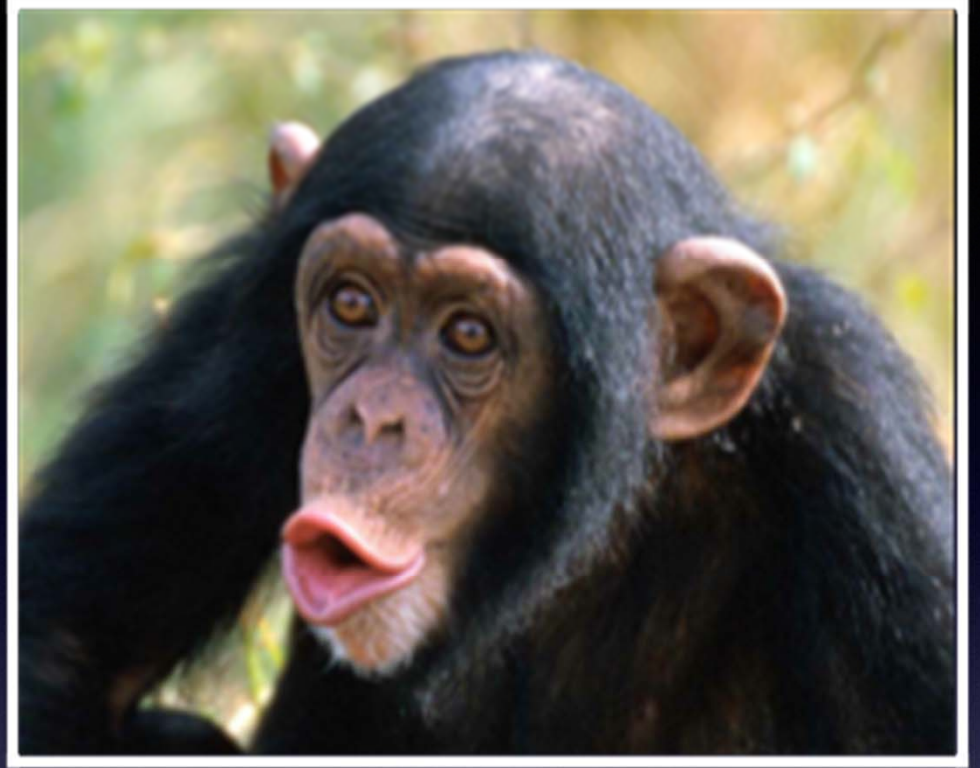
Non-human Primates



Chimpanzees Unwilling versus Unable



Picture: Call, Hare, Carpenter, & Tomasello, 2004



What about dogs?



Study 1: Intentions

	Tease Duo	Refuse Trio
Unwilling Trials	Unwilling- offer/pullback	Unwilling-box
Unable Trials	Unable-box	Unable-distracted
Unable Trials		Unable-drop

Coding

Position 1



Position 2



Position 3



Rowdie Refuse: Unable Drop

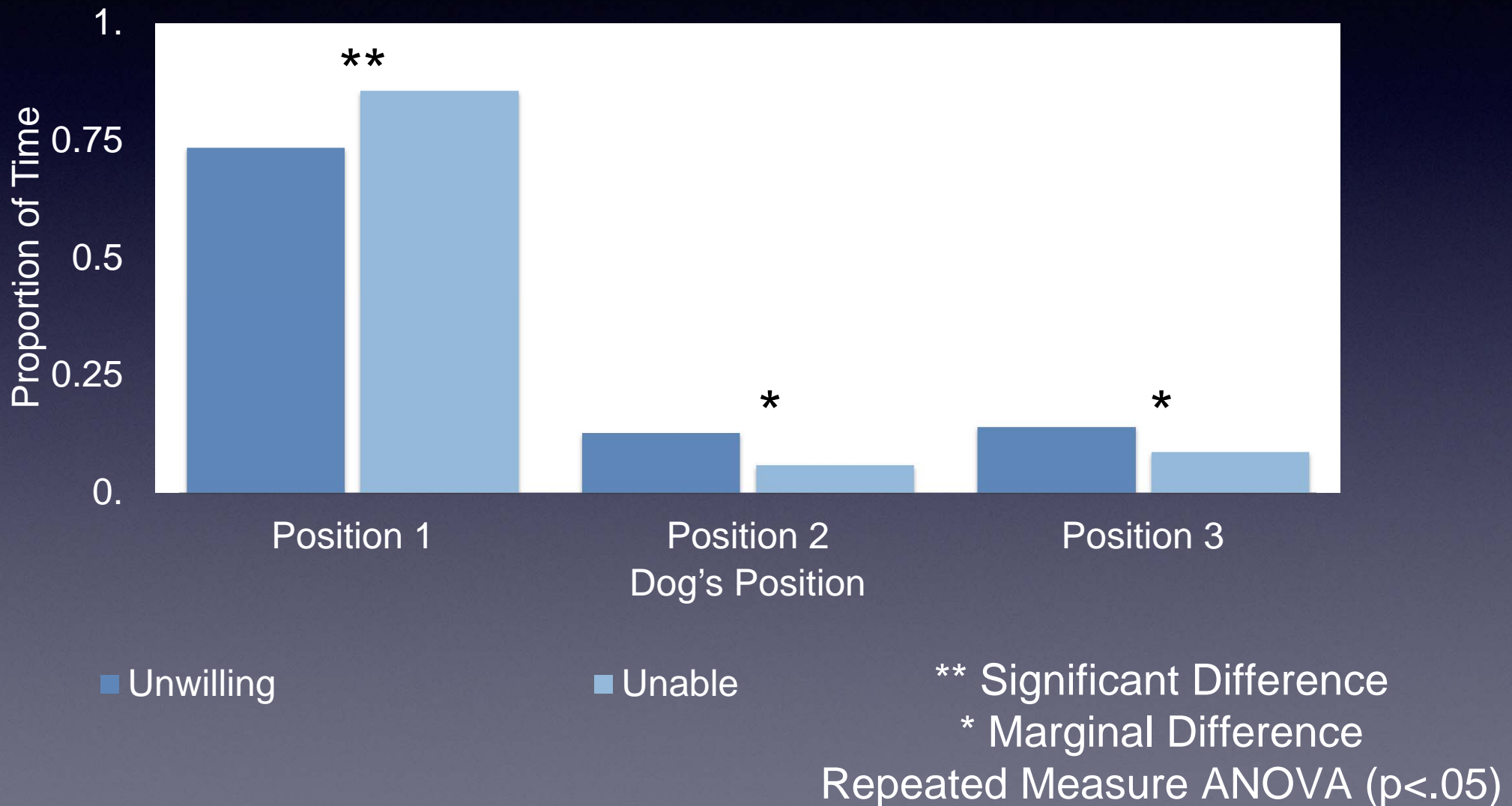


Rowdie Tease: Unwilling- offer/pull back



Study 1 Results

The Proportion of Time Domestic Dogs Spent in Three Positions



Study 2: Goals



Example of session: Same Side Condition

Brennan Same Side Trial

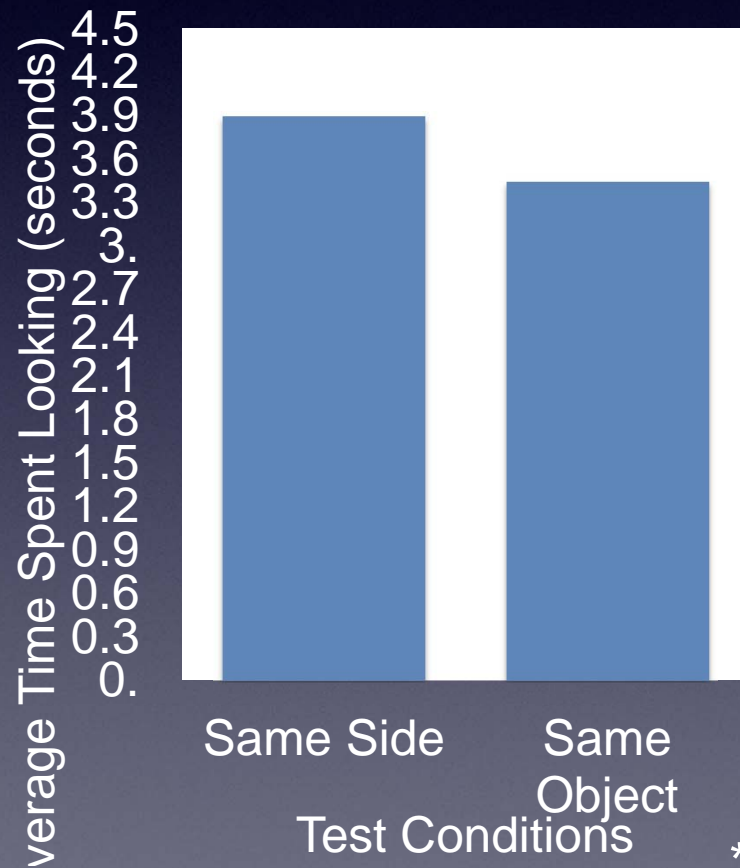


Brennan Same Object Trial

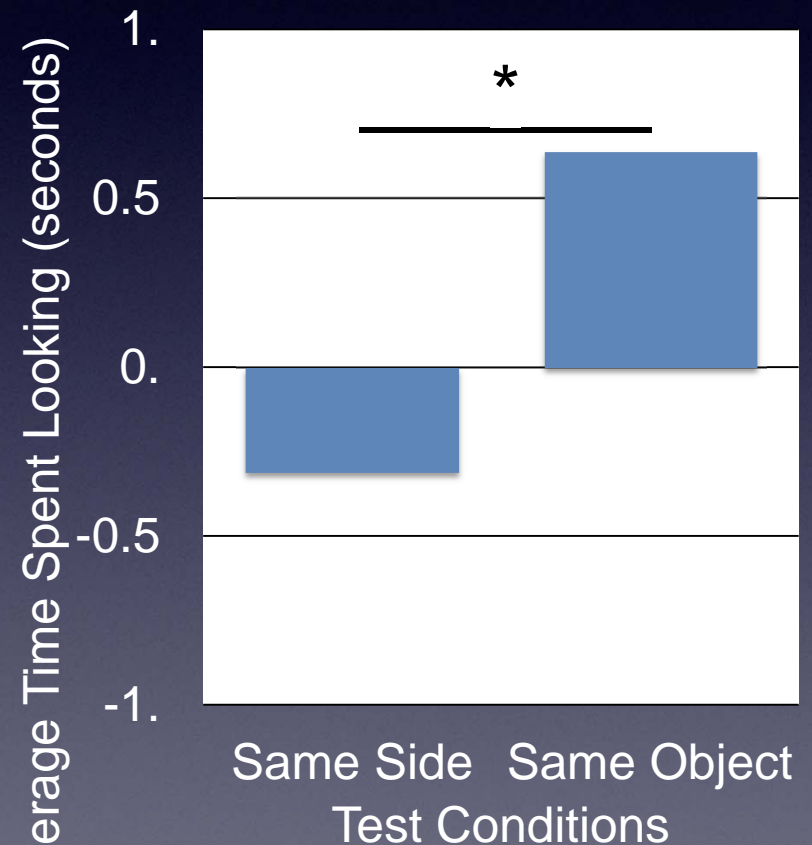


Study 2 Results

The Average Amount of Time (seconds) Domestic Dogs Looked After the Event



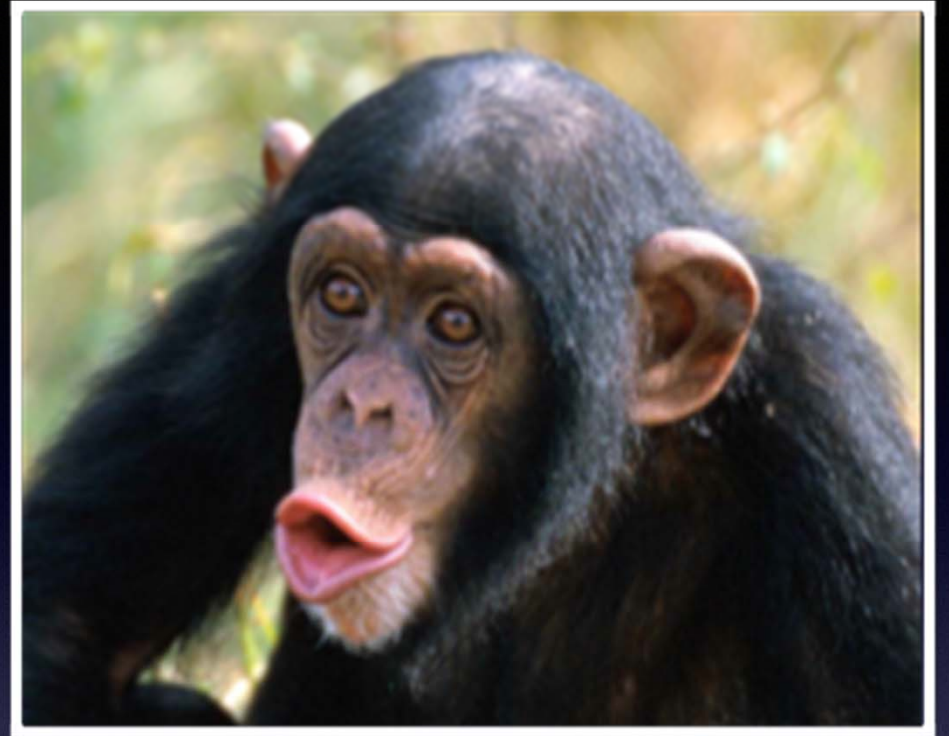
Average Familiarization Looking Time (seconds) Minus Test Looking Time (seconds)



* Marginal Difference
One-tailed t-test ($p < .05$)

Conclusions/Implications





Future Directions



Implications





IWU Dog
Scientists



Acknowledgments

ollecting data for *Study 1*. We would like to thank the dog owners for allowing

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