



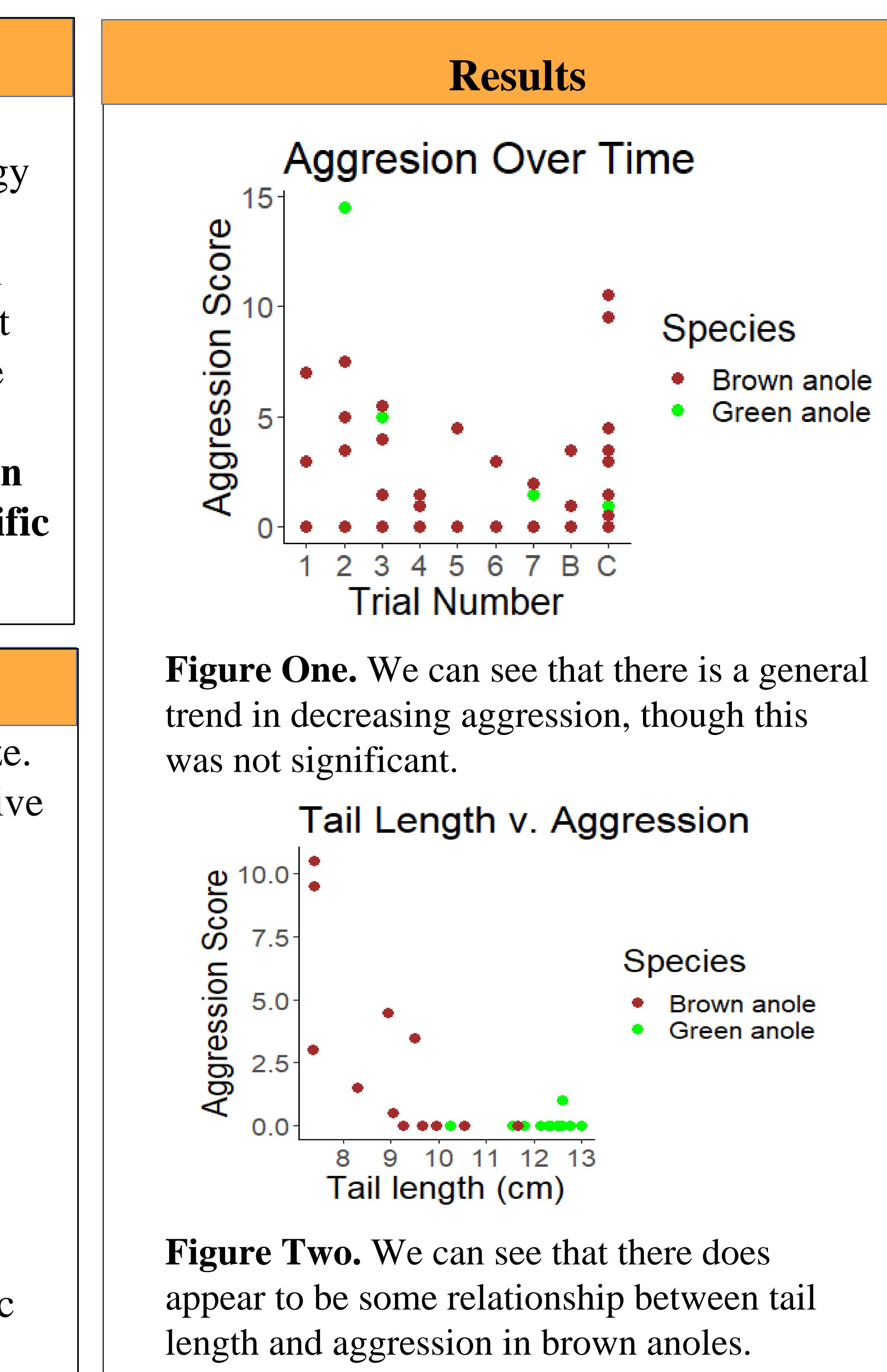
Introduction

- Many species develop territories and spend energy defending them.
- One phenomena by which they limit the energy spent in defense is known as the Dear Enemy effect. [1]
- We don't know if this can occur between interspecific competitions.

Methods

- Pair lizards based on size.
- Assign score to aggressive behavior. [2]
- Observe lizards when exposed for fifteen minutes.
- Repeat for seven days.
- Change heterospecifc animal after seven days and record behavior.
- (For second set) place animals with conspecific on day eight.

Do Anolis Lizards Recognize Heterospecific Neighbors? A.J. Hager and Michael Reichert Oklahoma State University



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in husbandry. **References:** 110:843-851.





Conclusions

- Overall, the brown anoles, Anolis sagrei, tended to be more aggressive, which is a common observation.
- There did not seem to be a dear enemy effect present, though we did notice a gradual decrease in aggression overtime.
- We did notice that there may be a correlation between tail length and aggression, at least in brown anoles.

Acknowledgements and References Acknowledgements:

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[1] Temeles, E. 1994. The role of neighbors in territorial systems: when are they "dear enemies"? Animal Behaviour 47:339–350.

[2] Edwards, J. R., and S. P. Lailvaux. 2013. Do interspecific interactions between females drive shifts in habitat use? A test using the lizards Anolis carolinensis and A. sagrei: Habitat use in Anolis lizards. Biological Journal of the Linnean Society