

Drone Surveys Observing Megafauna: Are there species specific differences in feeding behaviors when behind shrimp boats?

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Introduction

What is **inter-specific aggression**?

- Aggression between organisms from different species when resources become limited; such as food.

Species expected to be **Observed**:

- Blacktip Shark, Bull Shark, Sandbar Shark & Spinner Sharks



Methods

In order to conduct observations I became drone certified through the FAA. Surveys were performed by flying the drone in 100 meter transects off of a boat in Salt Run.



Results

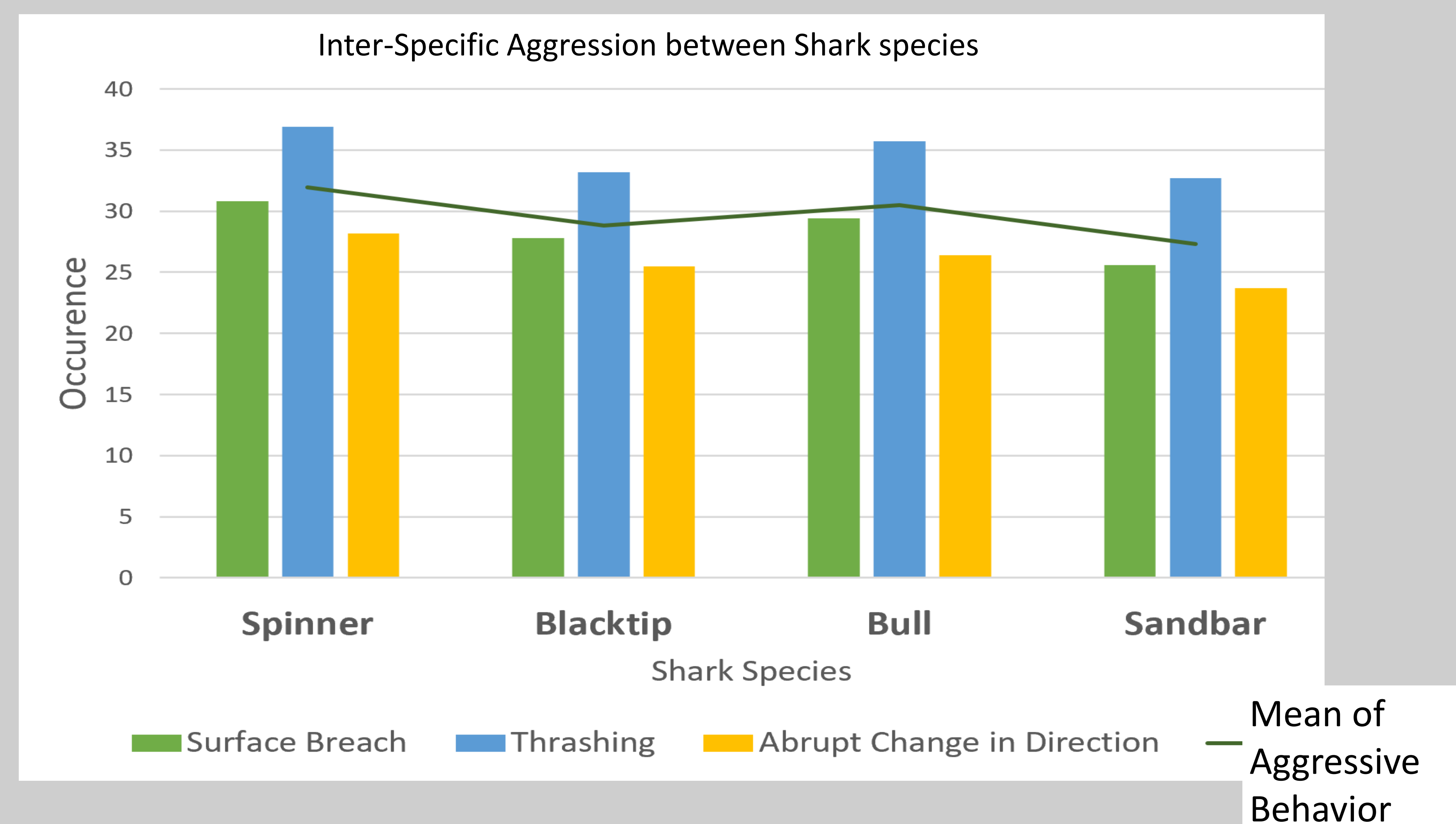
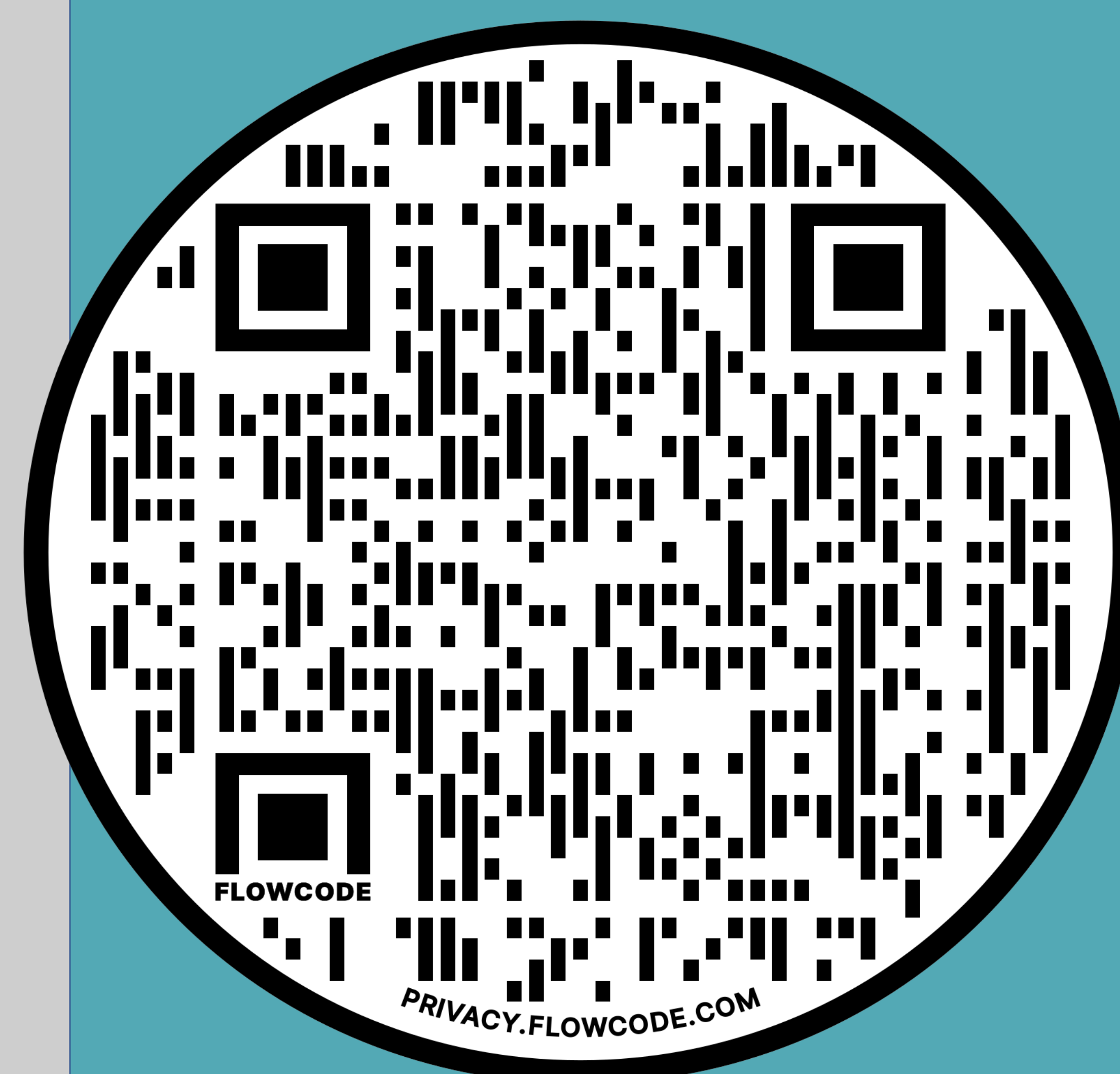


Fig 1. Spinner, Blacktip, Bull, & Sandbar shark aggression when feeding behind shrimp boats.. When compared to the other species, there was a significance value of:

$$R^2 = 0.61$$



References

Dugatkin, L. A. (2020). In Principles of Animal Behavior (4th ed.), essay, The University of Chicago Press.

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