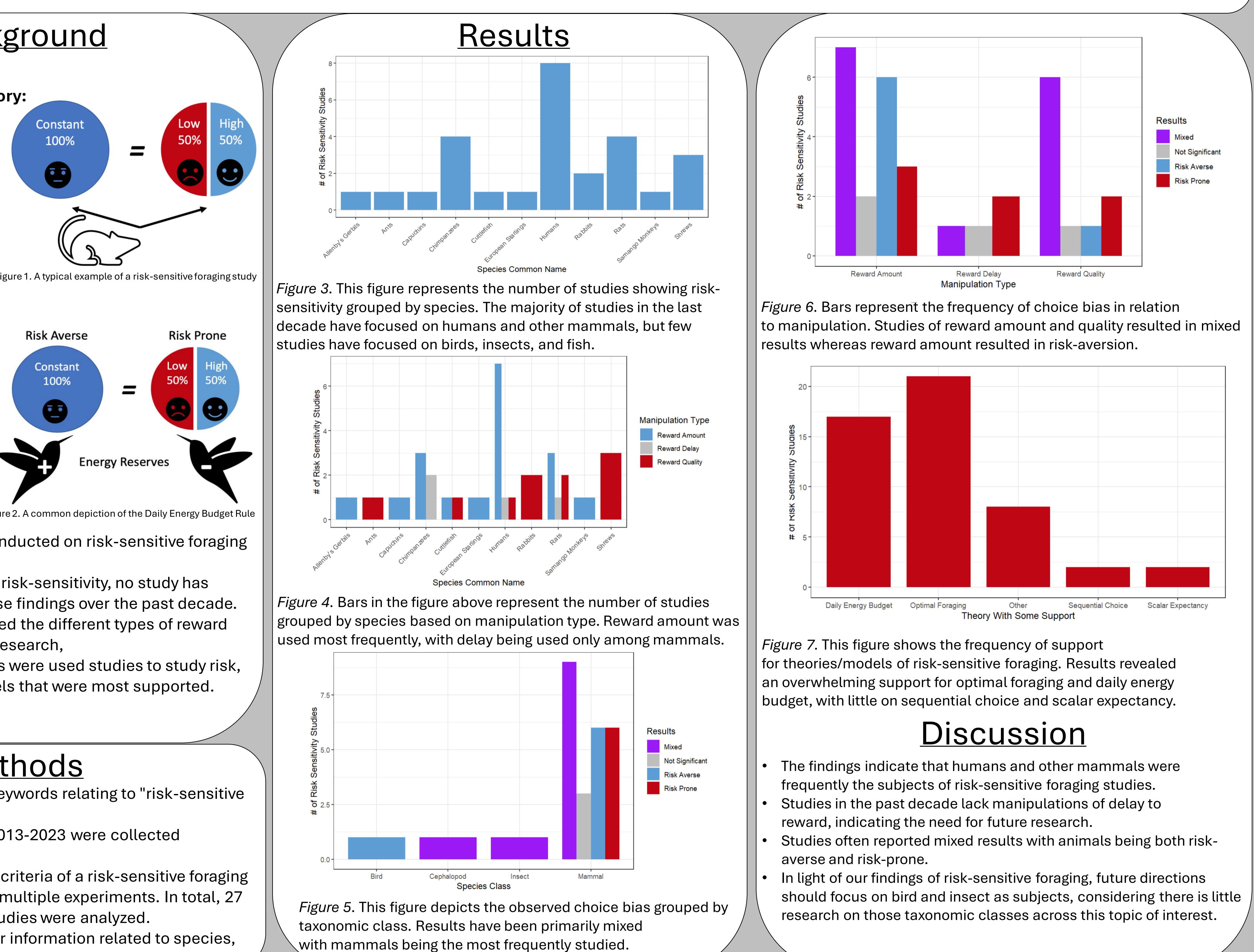
A Decade of Risk: A meta-analysis of risk-sensitive foraging over the last 10 years Hallie E. Anselmi & Baine B. Craft Seattle Pacific University, 2024



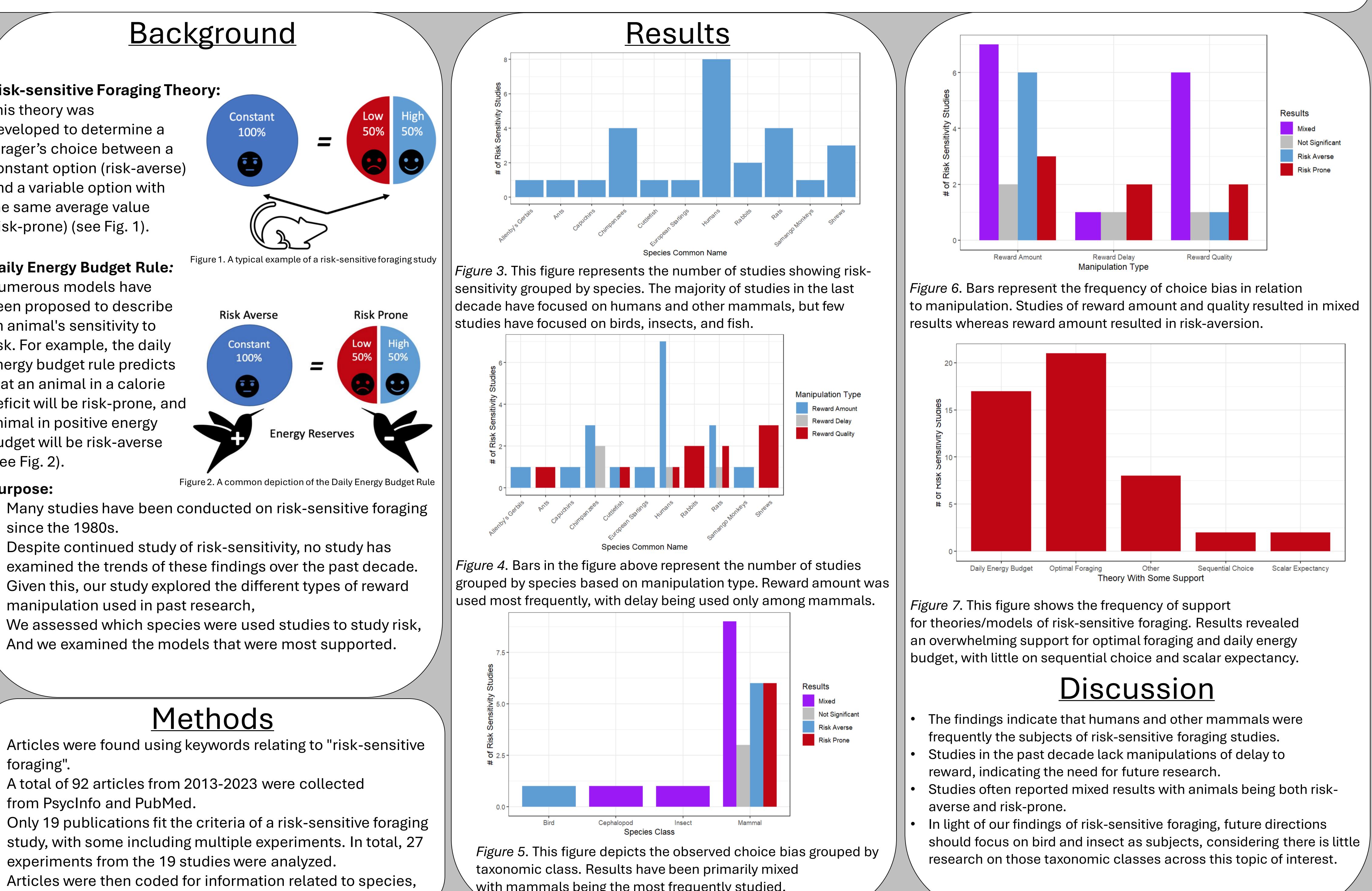
Risk-sensitive Foraging Theory:

This theory was developed to determine a forager's choice between a constant option (risk-averse) and a variable option with the same average value (risk-prone) (see Fig. 1).



Daily Energy Budget Rule:

Numerous models have been proposed to describe an animal's sensitivity to risk. For example, the daily energy budget rule predicts that an animal in a calorie deficit will be risk-prone, and animal in positive energy budget will be risk-averse (see Fig. 2).



Purpose:

- Many studies have been conducted on risk-sensitive foraging since the 1980s.
- Despite continued study of risk-sensitivity, no study has lacksquareexamined the trends of these findings over the past decade.
- Given this, our study explored the different types of reward manipulation used in past research,
- We assessed which species were used studies to study risk,

Methods

- Articles were found using keywords relating to "risk-sensitive foraging".
- A total of 92 articles from 2013-2023 were collected from PsycInfo and PubMed.
- Only 19 publications fit the criteria of a risk-sensitive foraging study, with some including multiple experiments. In total, 27 experiments from the 19 studies were analyzed.
- Articles were then coded for information related to species, major findings, theories supported, etc.