

Participation Intensity Influences Motivations for Participating in iNaturalist

Samantha K. Lowe, Brittany M. Mason, Nia A. Morales, and
Corey T. Callaghan



UF IFAS
UNIVERSITY of FLORIDA

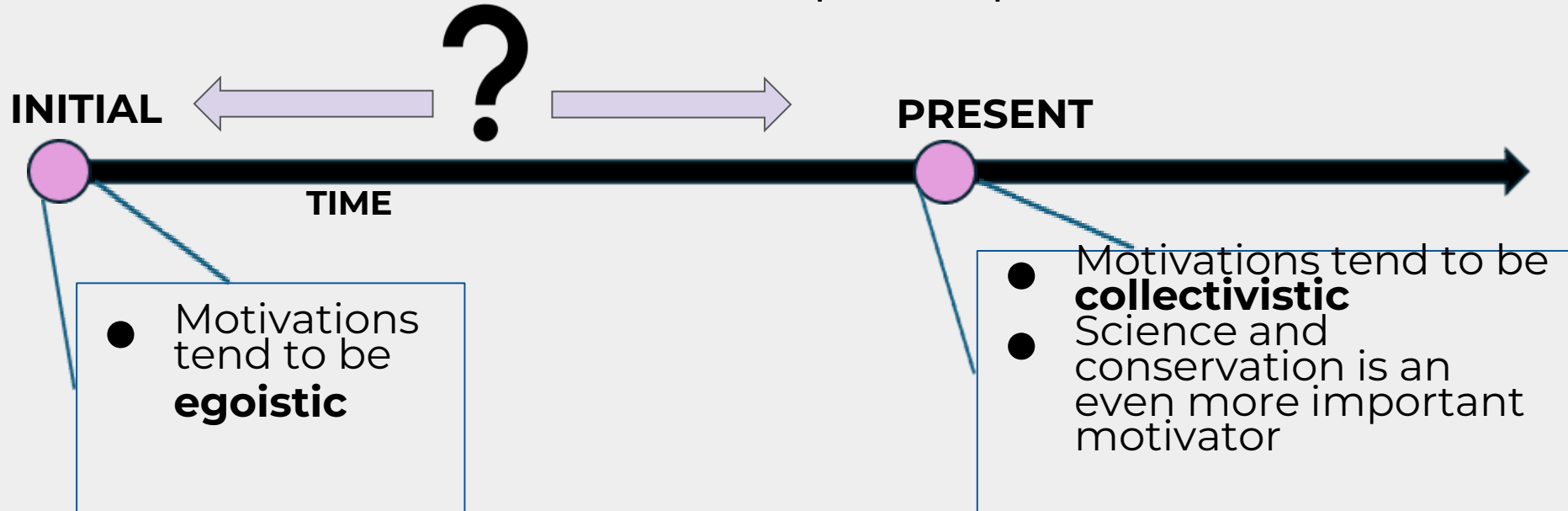
*School of Natural Resources
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Motivations for participating in citizen science

- ❖ Understanding what motivates participants can improve recruitment and maintenance of participants
- ❖ People participate in projects that accommodate their motivations
- ❖ Contributing to science and learning are two strong motivators for biodiversity-oriented citizen science projects

Knowledge Gap

How do motivations change throughout the duration of participation?



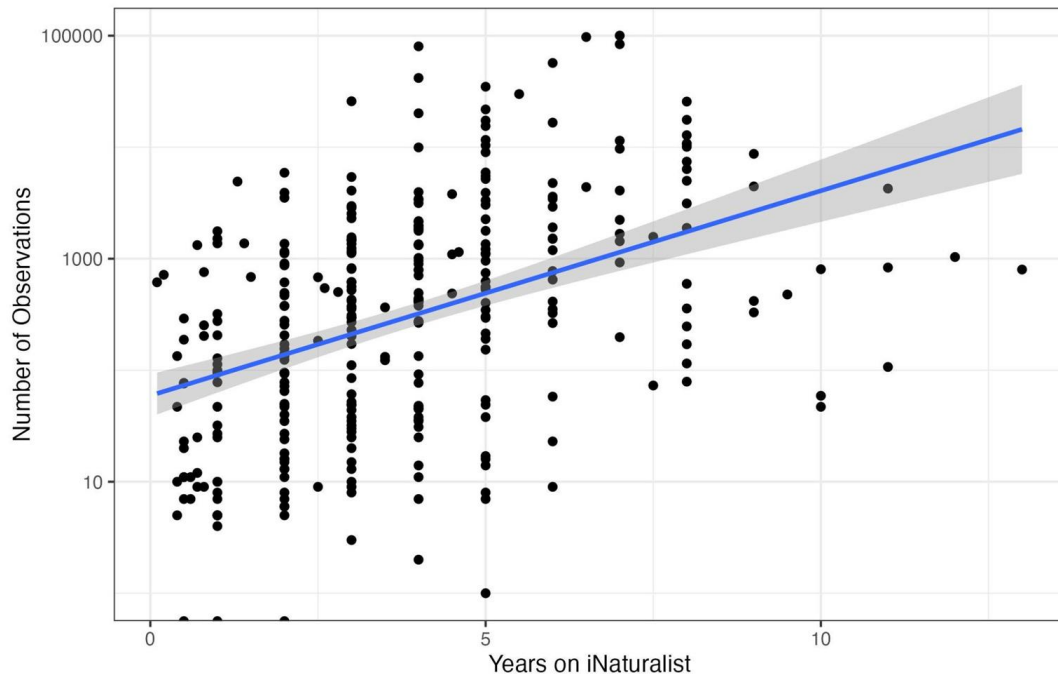
Addressing this knowledge gap with iNaturalist

- Broad in scope based on number of users (3.5M) and diverse interests of users
- Results may be applicable to other citizen science projects



Using participation intensity

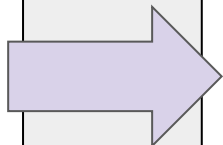
- Used iNaturalist **observation count** as measure of participation intensity
- Positively correlates with time since joining the platform



Methods

Survey Design & Pilot

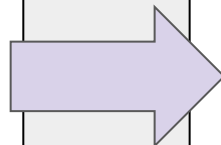
- 15 motivations on a 5-point likert scale
- User metrics (observation count, etc.)
- Demographics



Quota Sampling of U.S. iNat users

- Stratified users into 5 groups by observation count
- 100 users sampled per group + 2 resamples
- Utilized iNat DMs

n=208

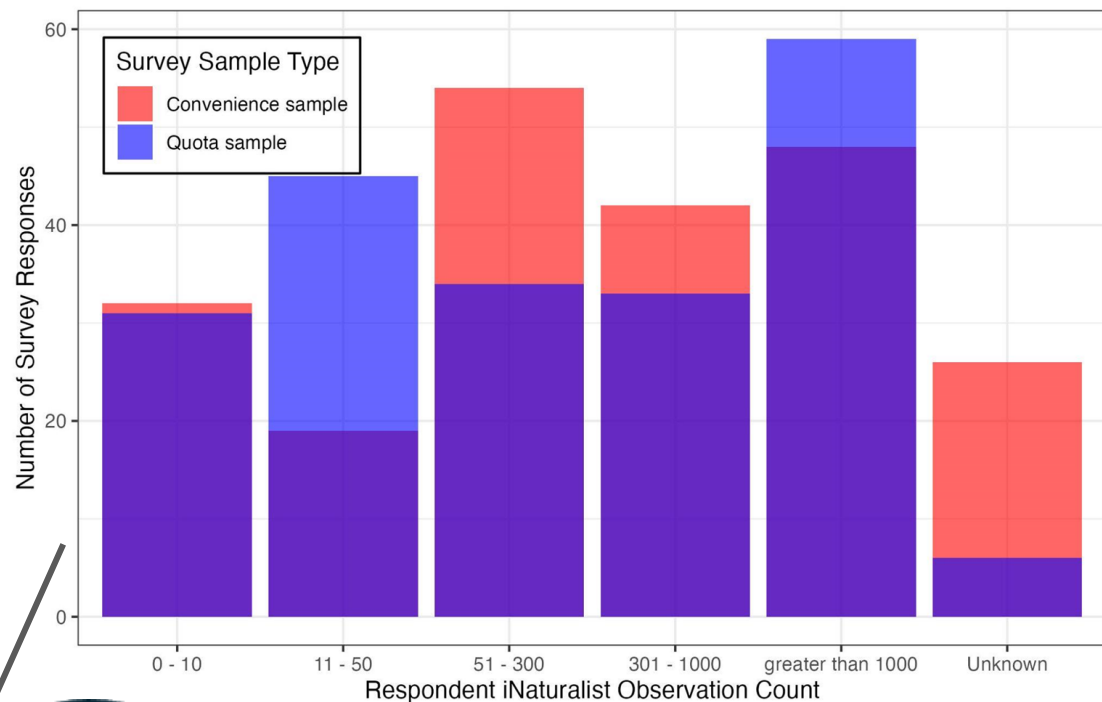


Convenience sampling

- Spanish version of survey available
- 11 weeks

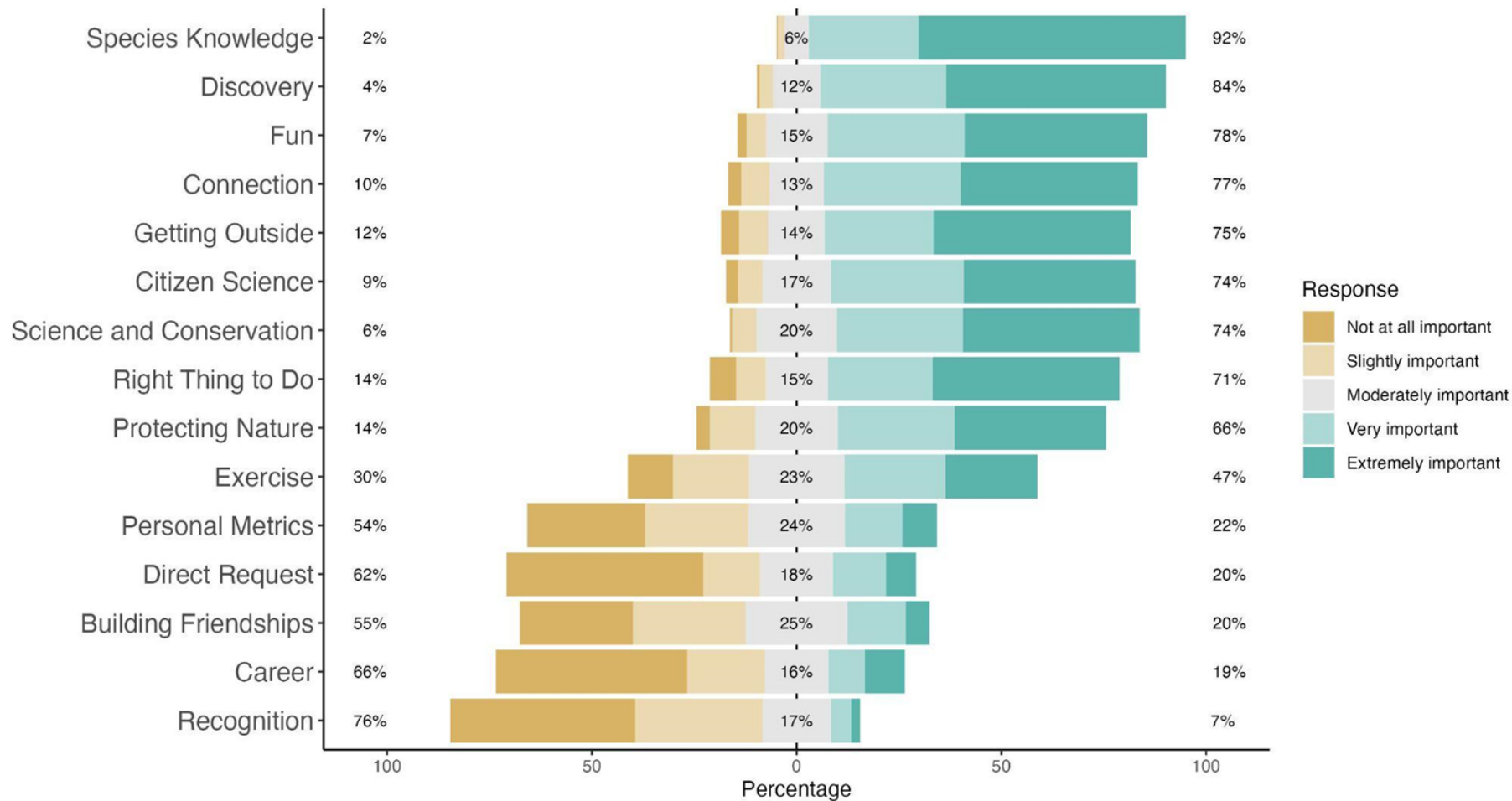
n=221

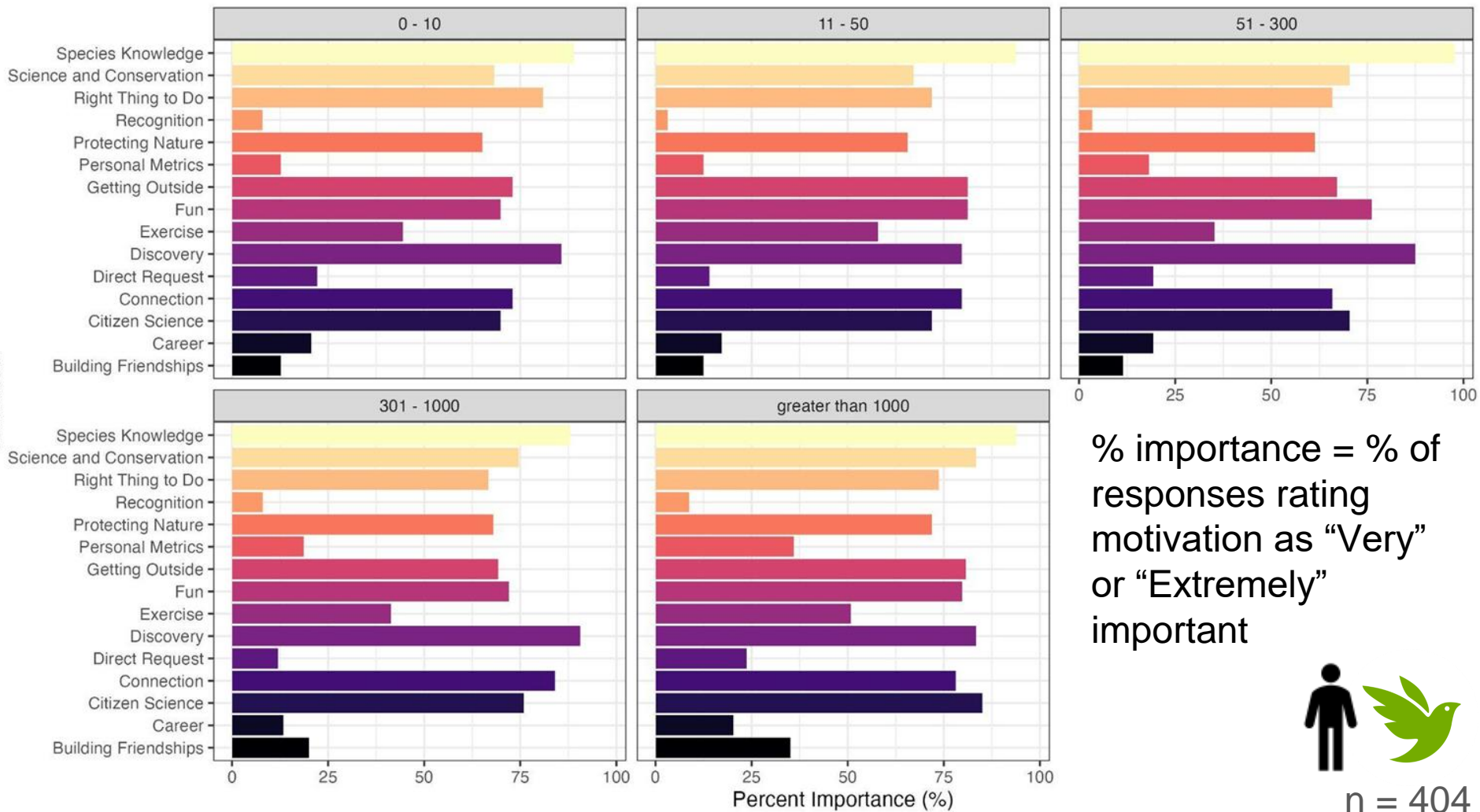
Survey response results

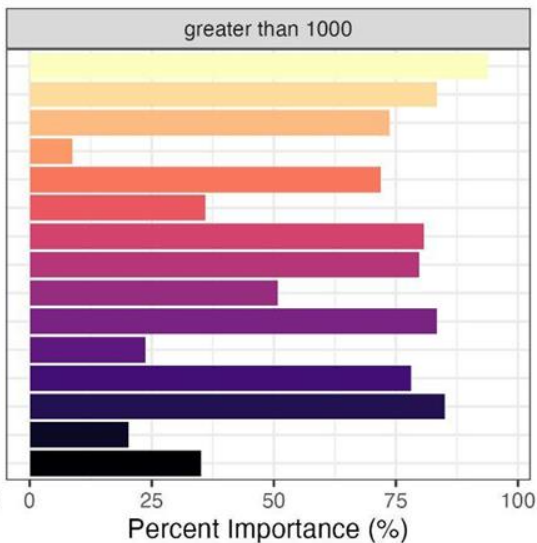
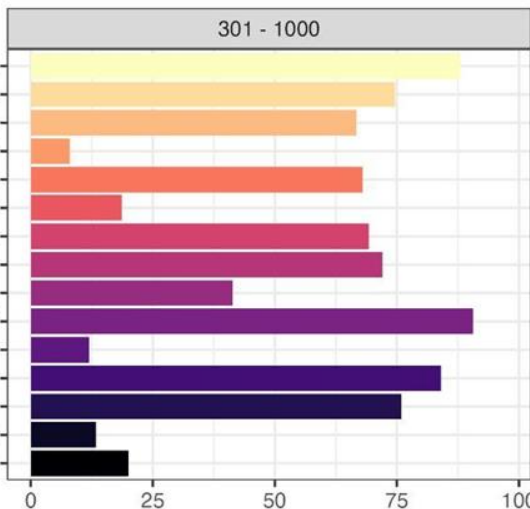
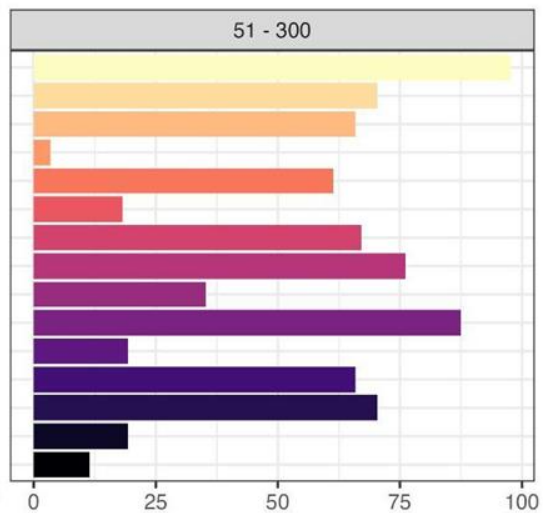
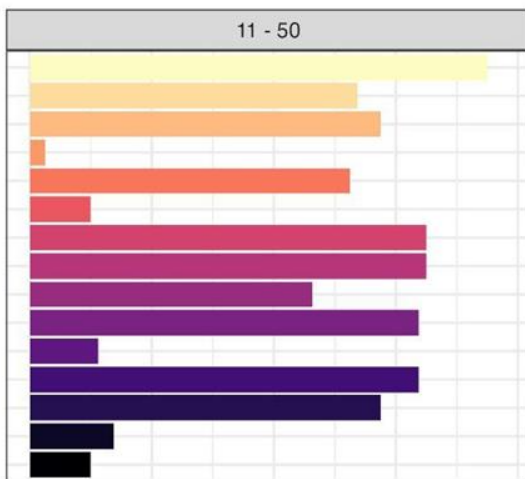
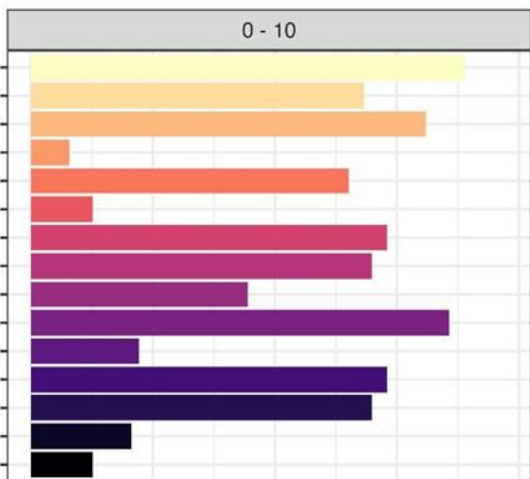
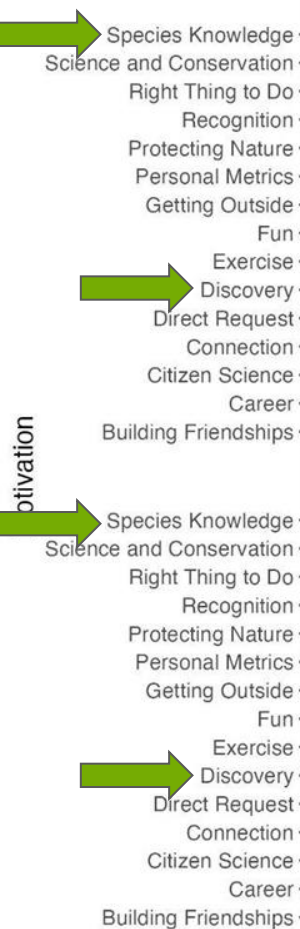


N=429

All Respondents

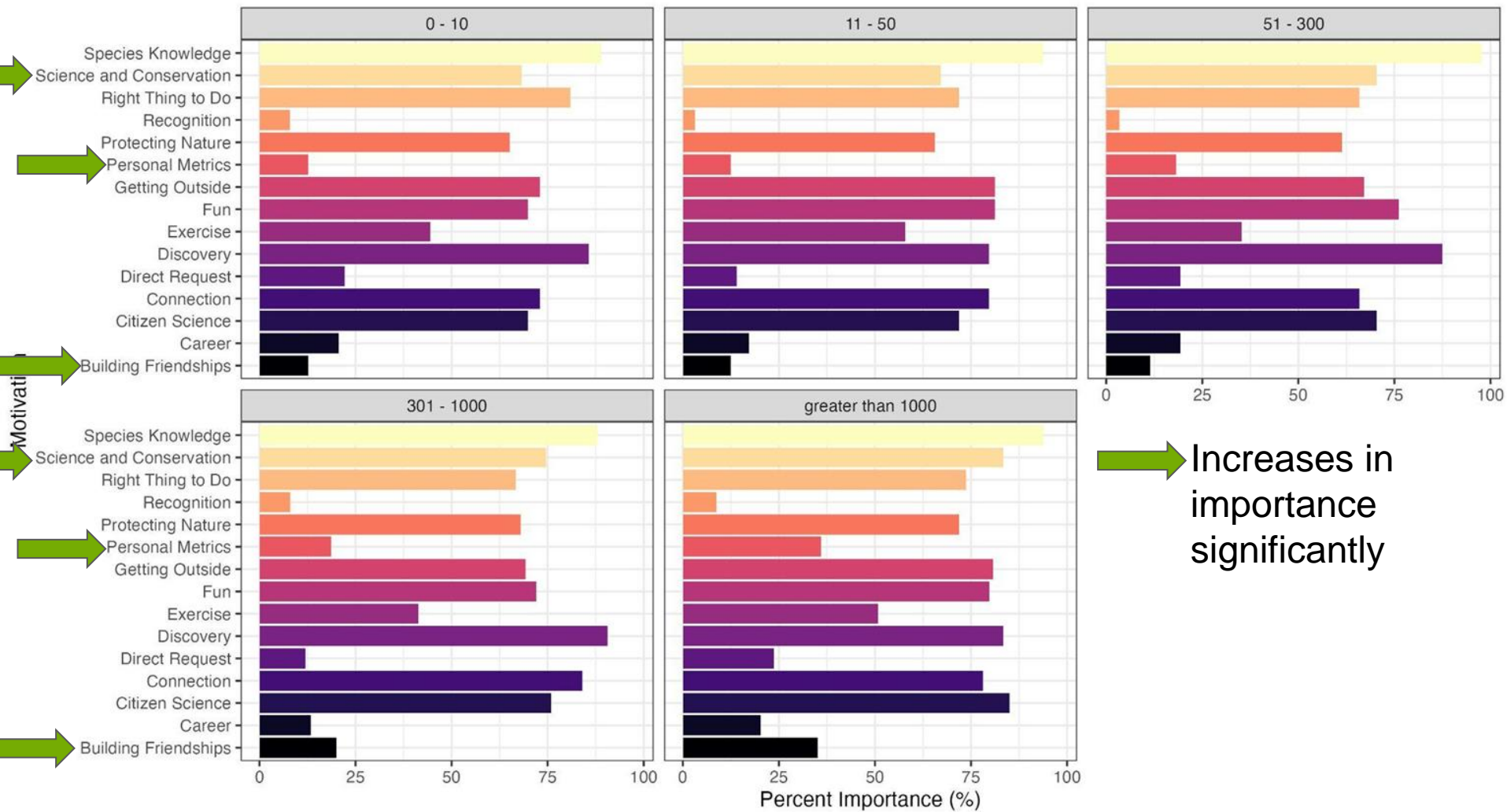


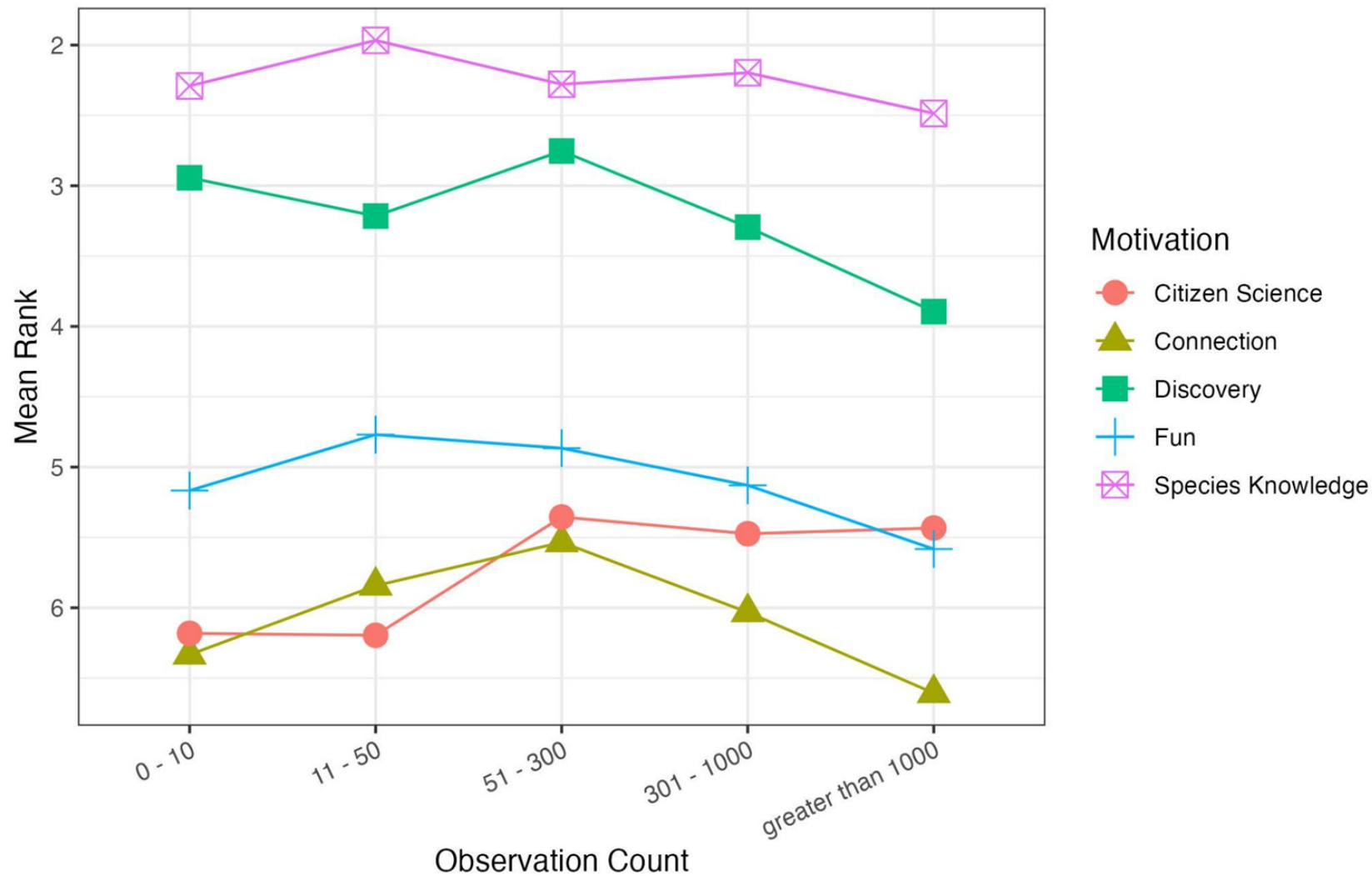




Remains highly important

Percent Importance (%)





Key takeaways

- iNaturalist users are highly motivated by improving their species knowledge and discovering information about ecosystems around them (learning!)
- Some motivations vary in importance with participant experience including science and conservation which increases importance
- Implications for attracting and retaining users?

Thank you!
Questions?

Contact: **lowe.samantha@ufl.edu**

Other CAPS prep:

Post moderating form: <https://forms.gle/je6qiLfWANfD6GEr5>

Moderator instructions:

https://docs.google.com/document/d/1ds_VahJFgjmm0rso94FZ9tmAzobi8vY5swxuDigmdnM/edit?usp=sharing

Mentimeter:

<https://www.mentimeter.com/app/presentation/alor3qqfu1nkj41o4wgfyn82uei6f76o/edit?question=b18faxf7moq9>

Master slide deck:

https://docs.google.com/presentation/d/1dXQVB8411GkQFnaWg-5ySVIKu24MSE4vmXGE4Mk_Fic/edit?usp=sharing