

The effect of control on the willingness to participate in app-based data collection

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Background:

App based data collection is widely used
→ Multiple advantages

Problem: low willingness to participate



Solution: give participants control

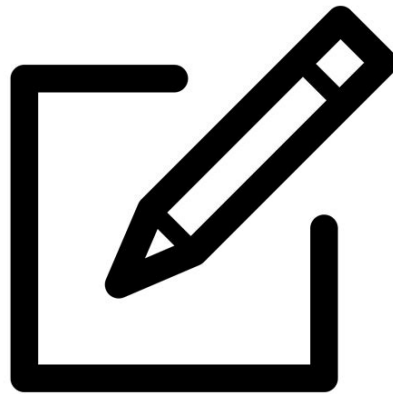


Background:

Studies show link between willingness to share and control

→ *Bemmann et al, 2022; Keusch et al, 2019; Struminskaya et al., 2021; Wenz & Keusch, 2023*

Examples of control:



Mechanism of control?

This study: leverage saliency theory
(Groves et al, 2000)

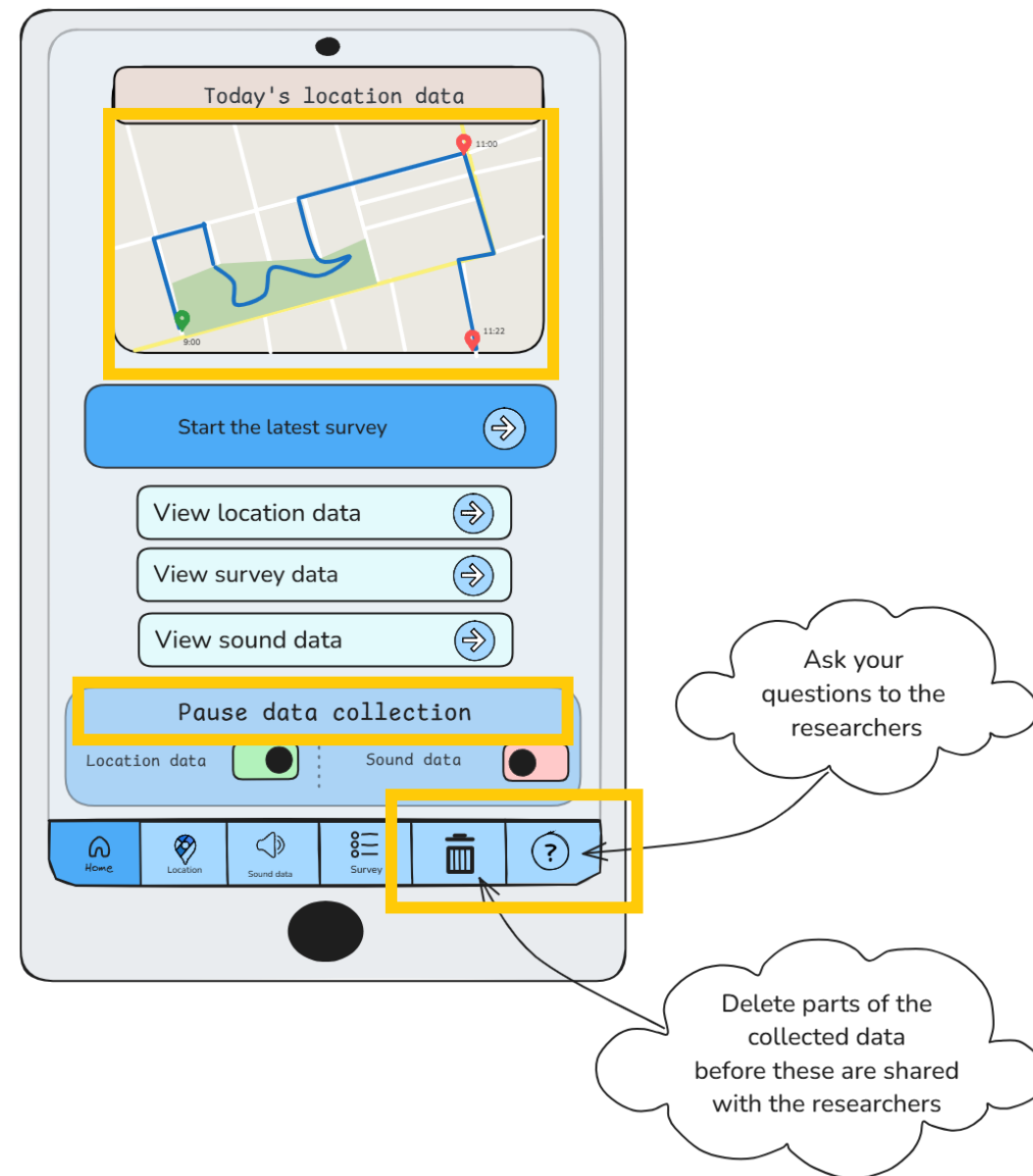
→ Factors that are rated as important +
saliency of factors



This study: vignette study to test LST for the effect of control
on willingness in app-based data collection.

Vignette: hypothetical study

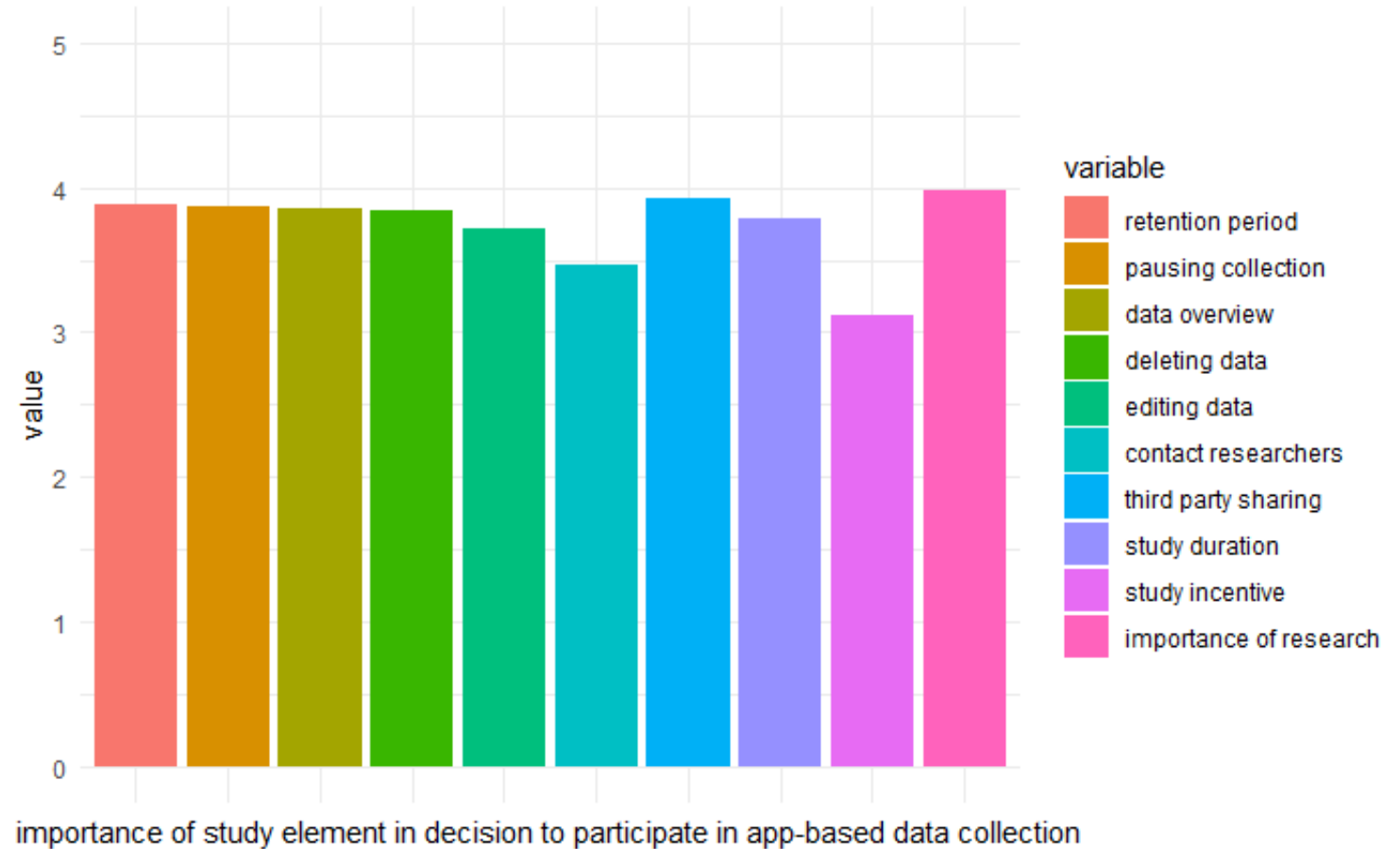
- Research app: collecting data via GPS, microphone, and EMA.
- Study description and app mock-up:
How willing to download the app
- Randomized experiment: 7 control and transparency functionalities vs none
- Further collected: *how important are study elements; manipulation checks*





Preliminary results I

- Participants rate study elements similar in their importance in the decision to participate in an app-based study.

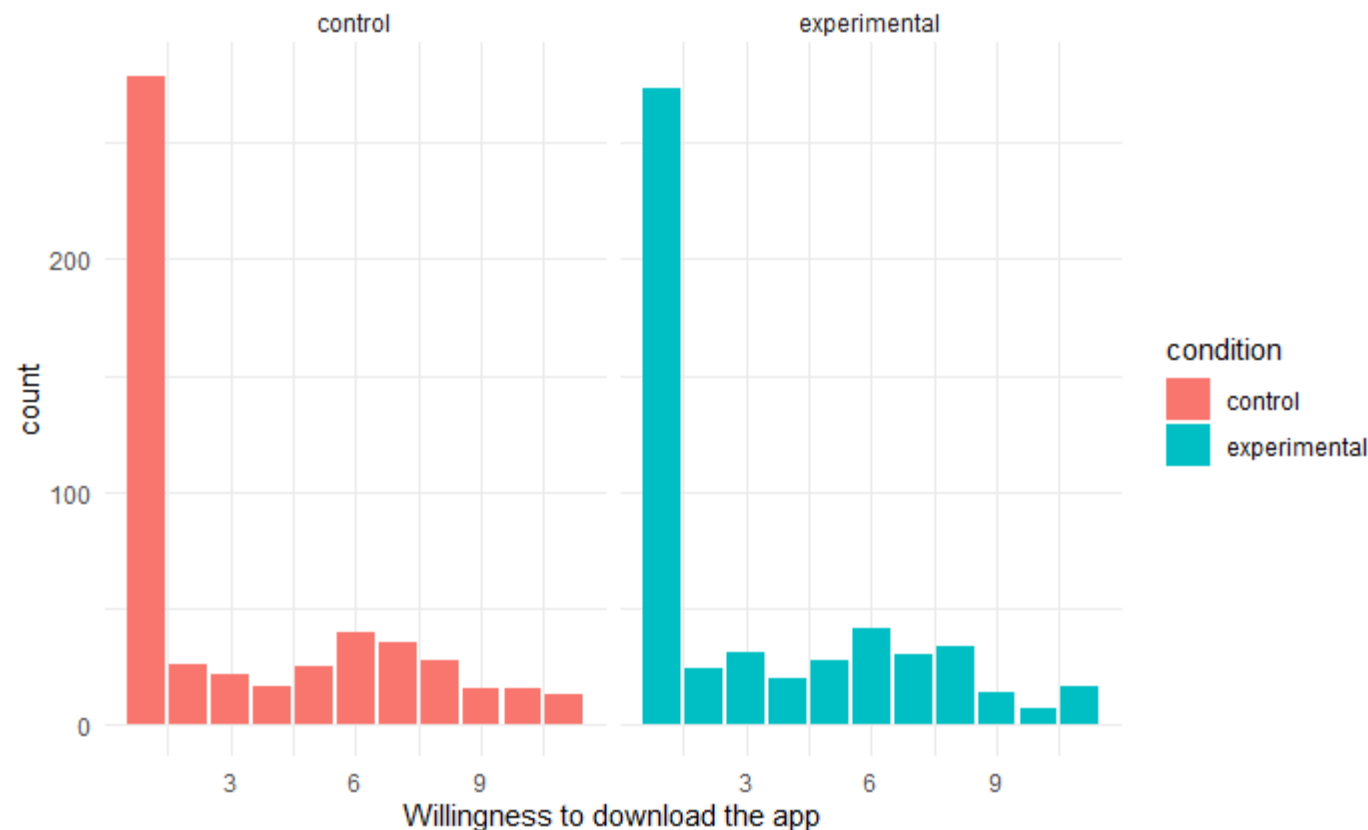




Preliminary results II

- No difference between the conditions in willingness.
- No interaction between condition and self-reported importance of study features.

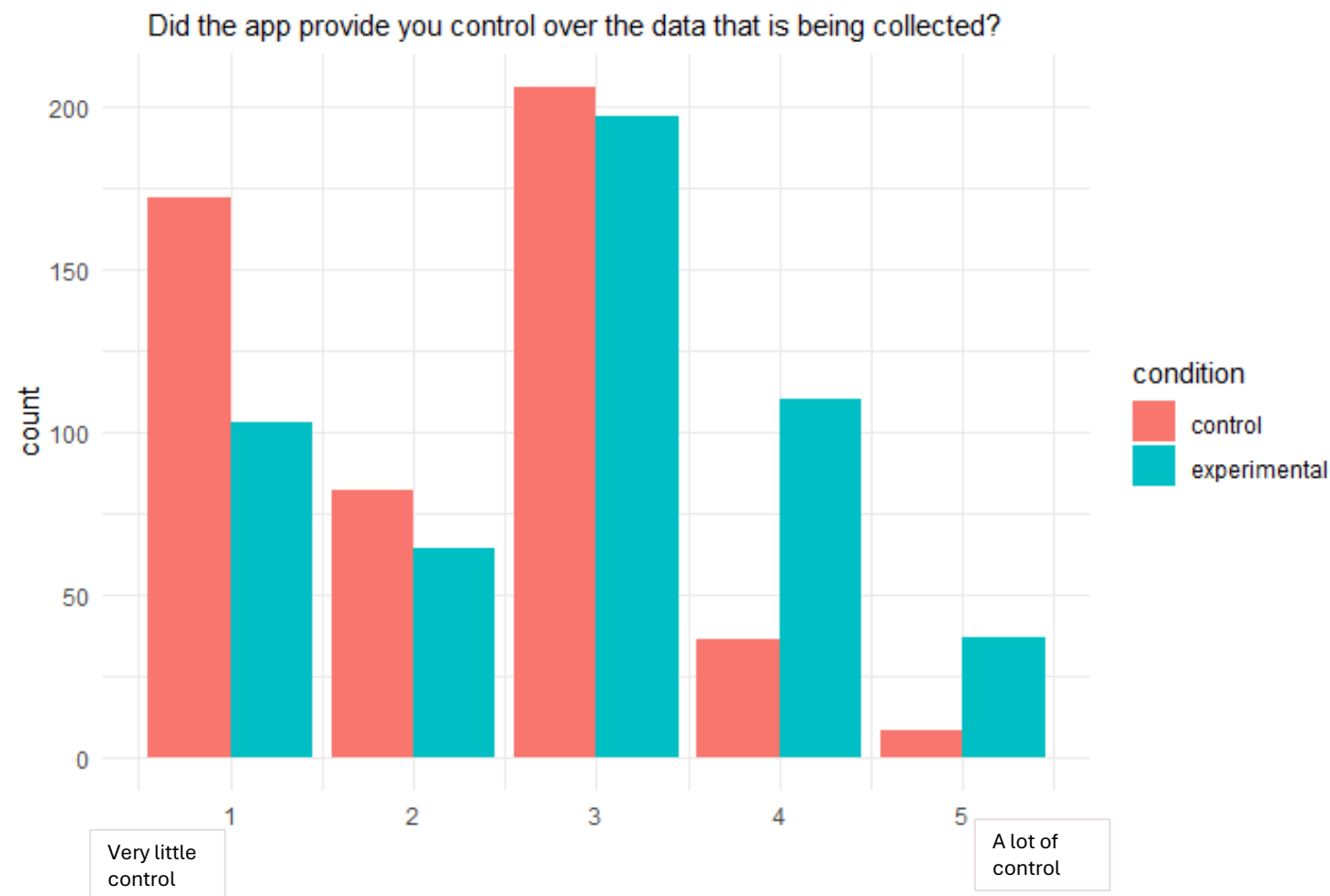
→ No initial support for leverage saliency here.





Preliminary results III

- Manipulation checks show that control features are only partially picked up.
- High number of 'don't know' answers.



Discussion points and Questions:

- The null-findings for control are surprising: expected effect in line with earlier studies. What may have caused this?
- Could the manipulation checks have been implemented in a better way? What does the high amount of 'don't know' answers tell us?
- In your experiences: do participants make use of control features?
- We only looked at the data for preliminary results. Do you have any suggestions for other things to look for in the data?

References

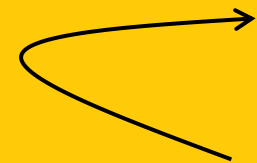
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Thank you for your attention!



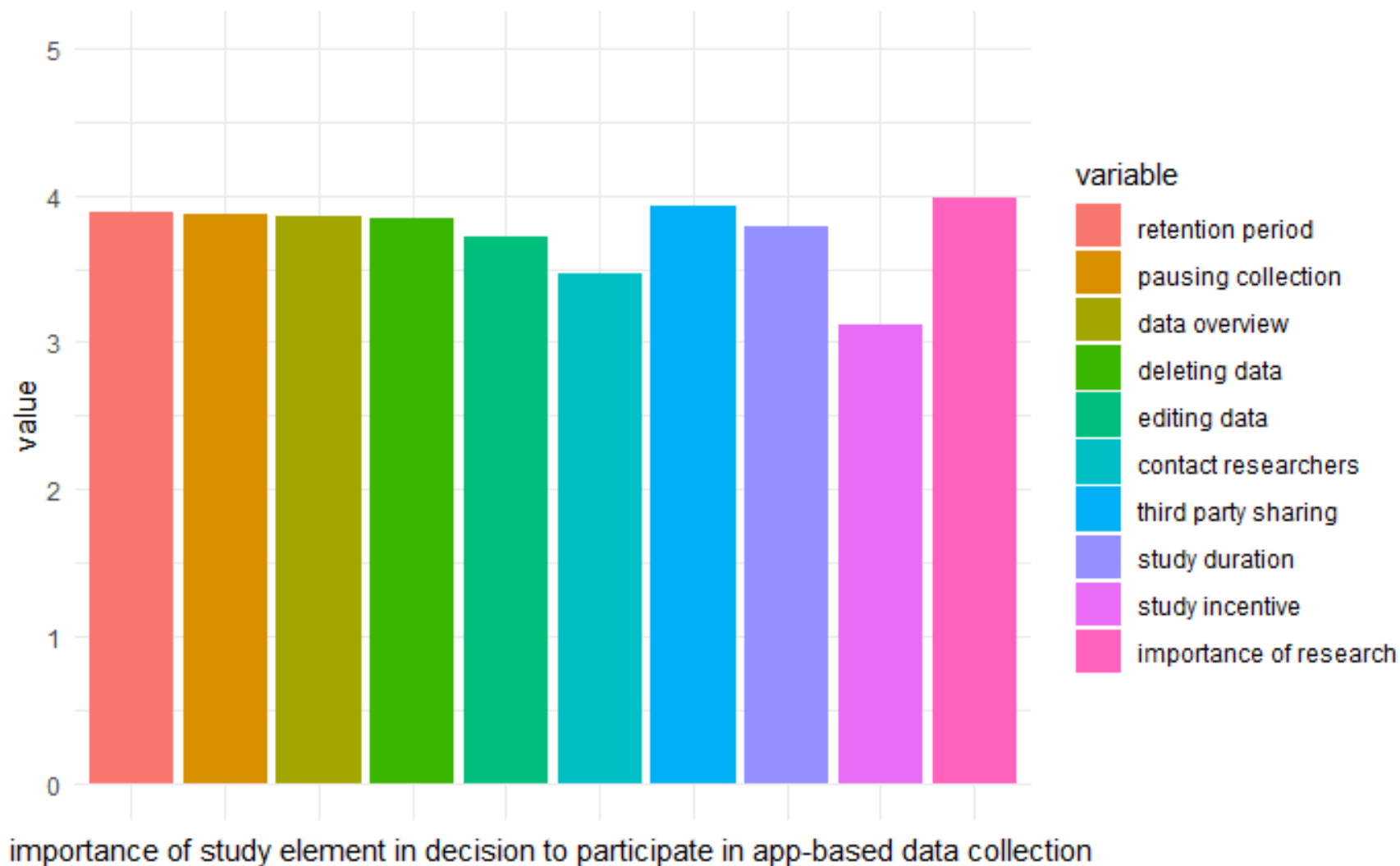
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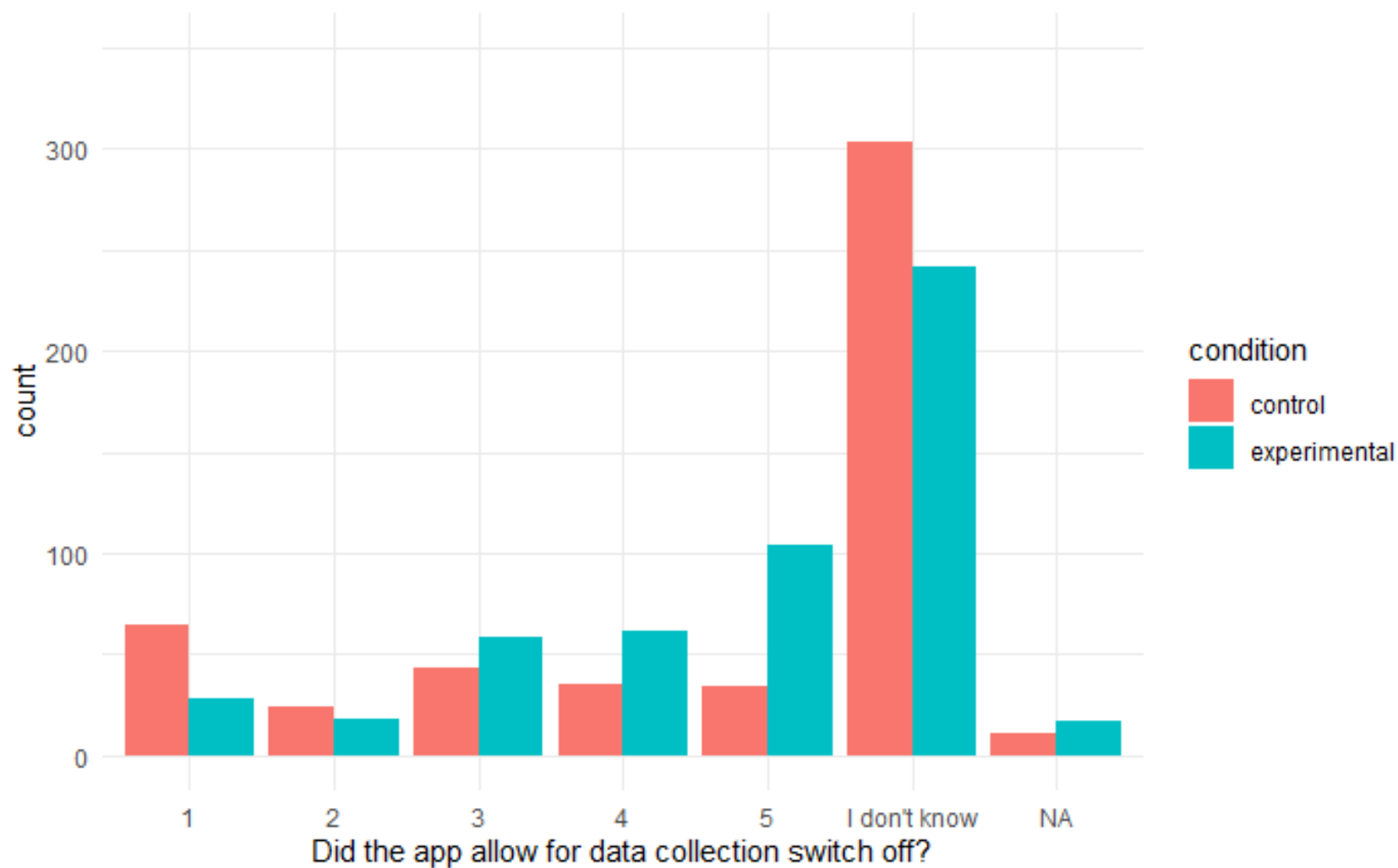


Given importance of study features in decision to participate



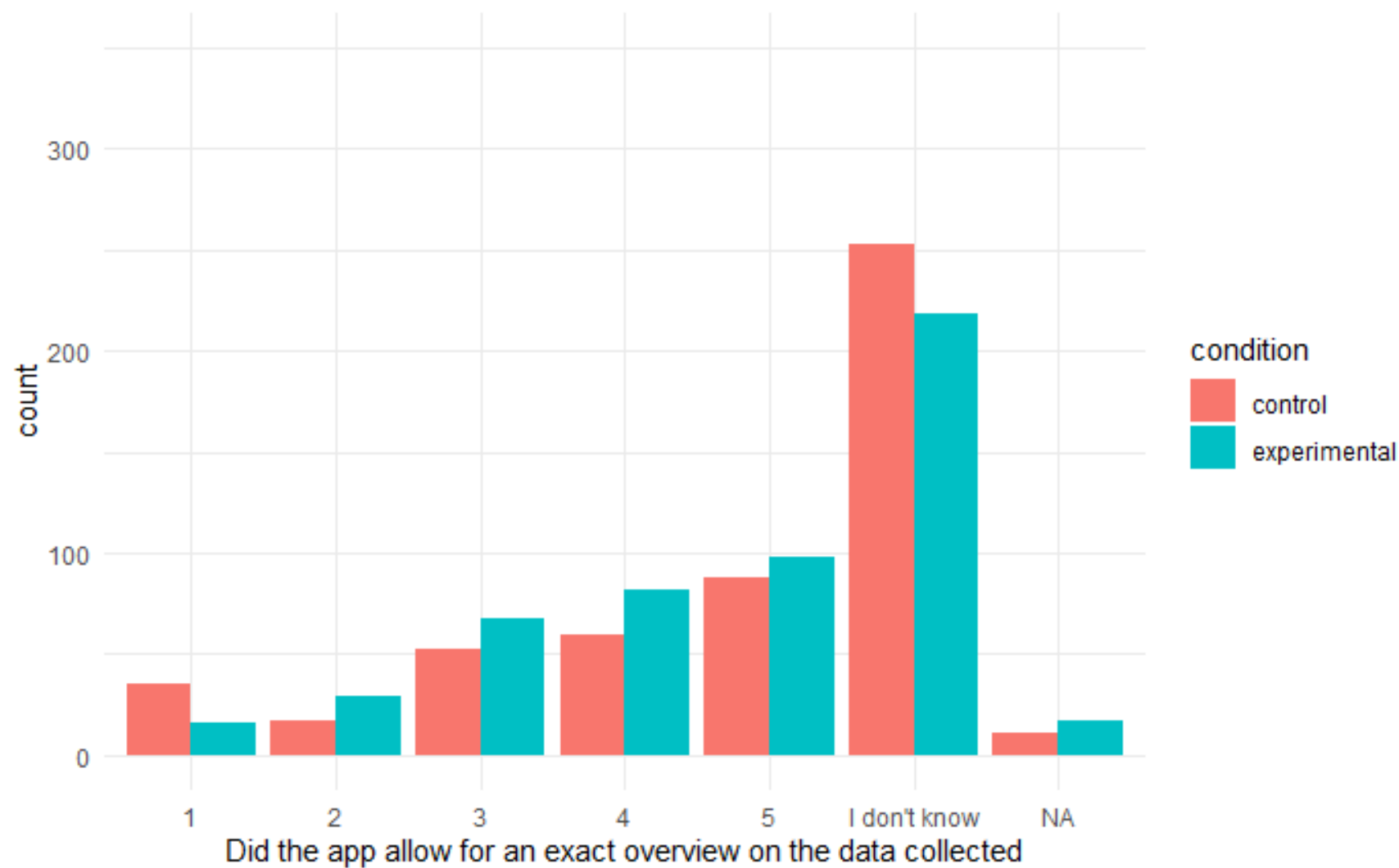


Manipulation check I



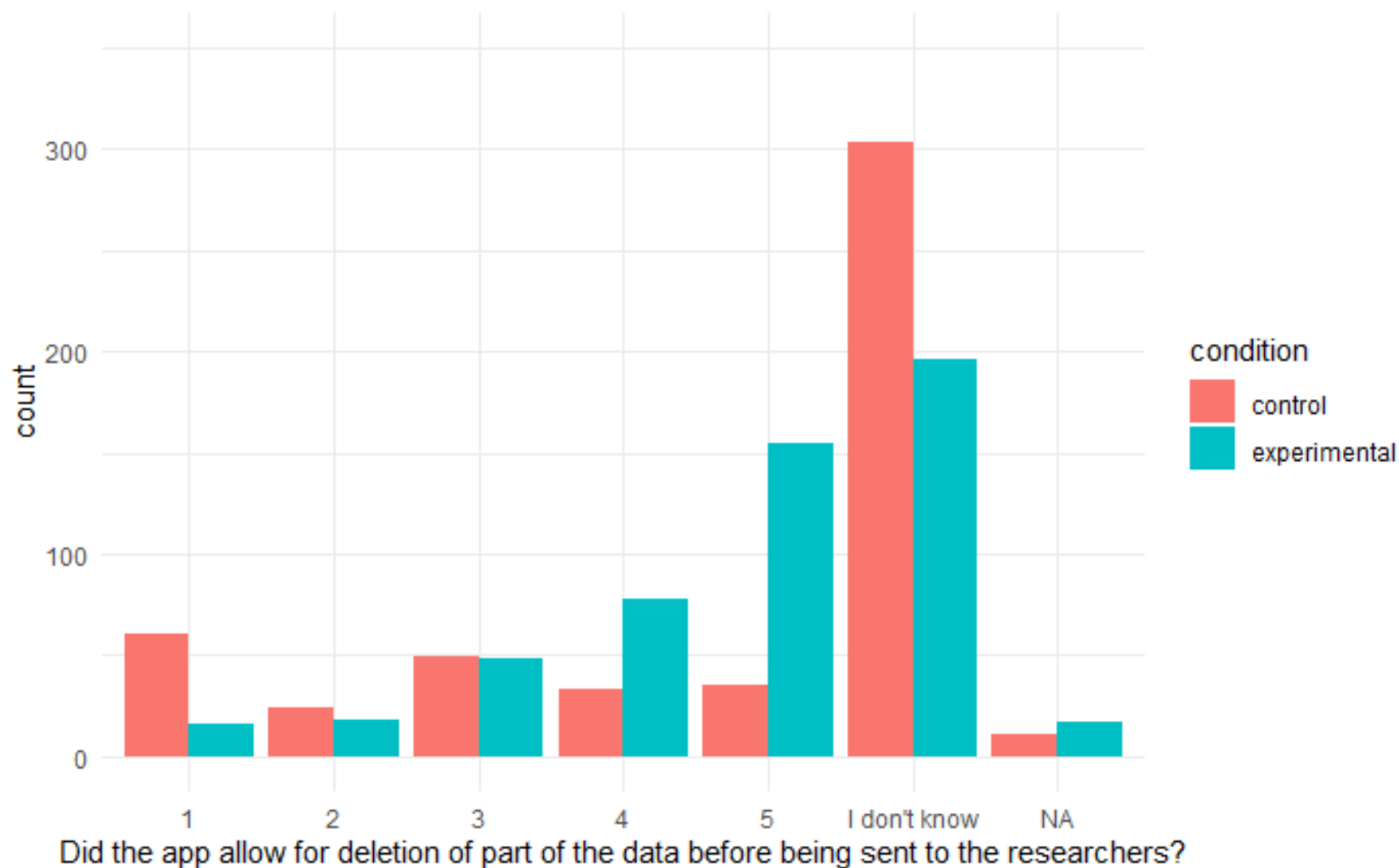


Manipulation check II





Manipulation check III





Manipulation check VI

