
Video-Interviews in Mixed-Mode Panel Surveys: Selective Feasibility and Data Quality Trade-offs

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Agenda

1. Implementation
2. Results
3. Selectivity
4. Respondent Satisfaction
5. Conclusion



CAPI



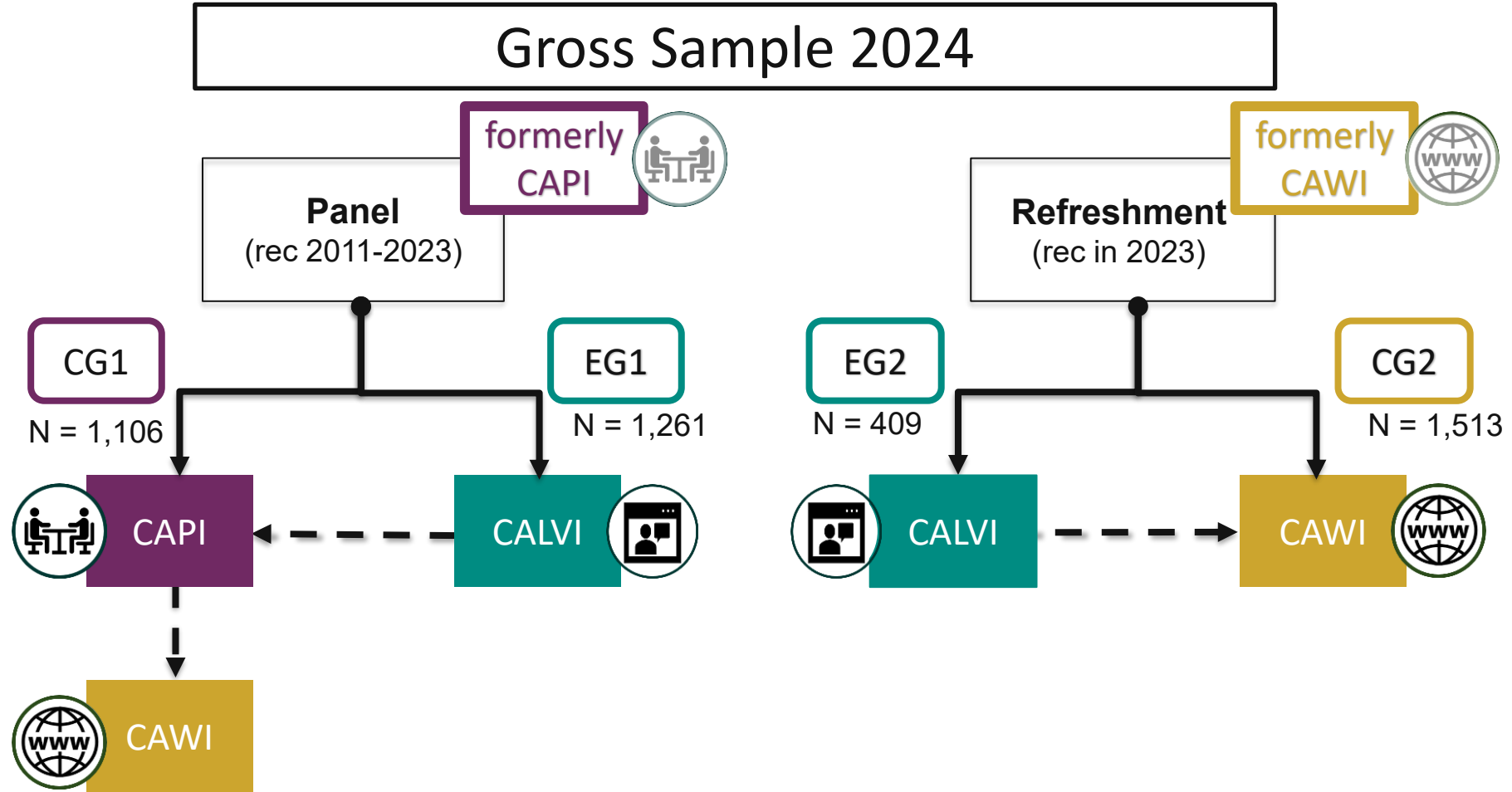
CAWI



CALVI

Experimental Implementation SOEP-IS (*2011) in Wave 2024

$N_{hh} = 4,289; N_{ind} = 7,942$



Field time: November 2024 – May 2025

Some technical aspects

- 31% of interviews conducted from CATI lab, others from home offices
- Technical problems:
 - 22% of interviews
 - Mainly if interviewer in home office (67/70)
 - 3x „strong“ impact on interview, 38x „some“, 45x „little“
- 19x device switch
- 24% used headset, 93.3% cameras were turned on
- Only n = 12/159 refused recording

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2. Results

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- Data Linkage Consent

3. Selectivity

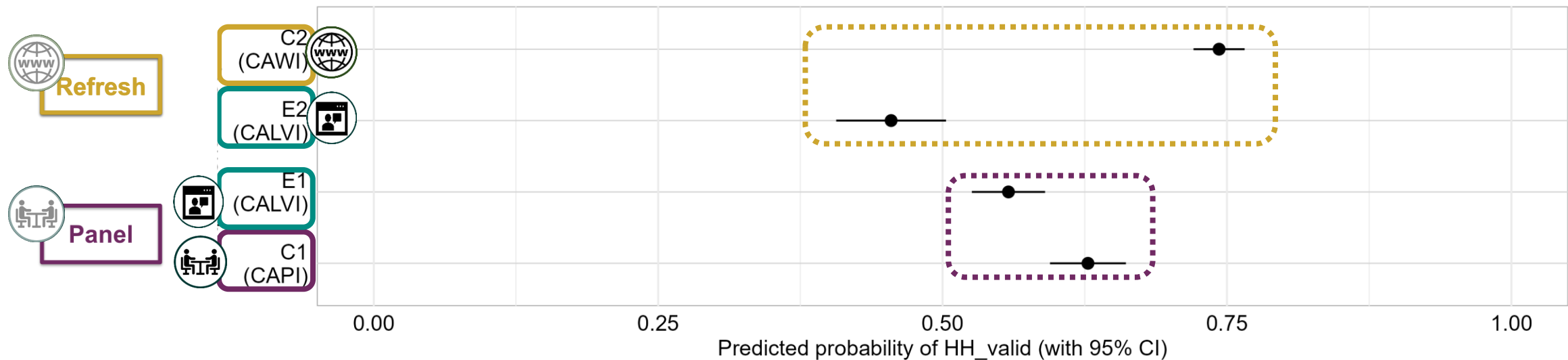
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Participation

Total valid realization: $N_{hh} = 2,724$ (63.5%) , $N_{ind} = 4,951$ (62.3%)

Valid households: CAWI 74%, CALVI 64%, CALVI 53% (i.e., 56/45%)



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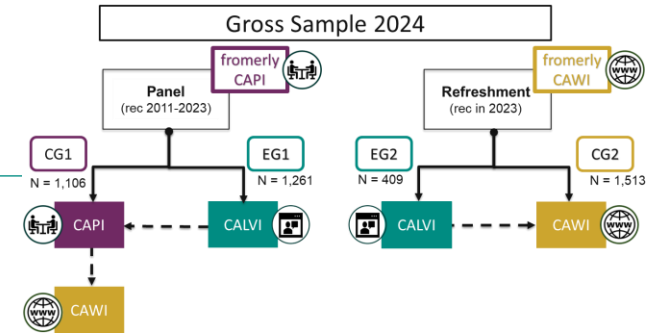
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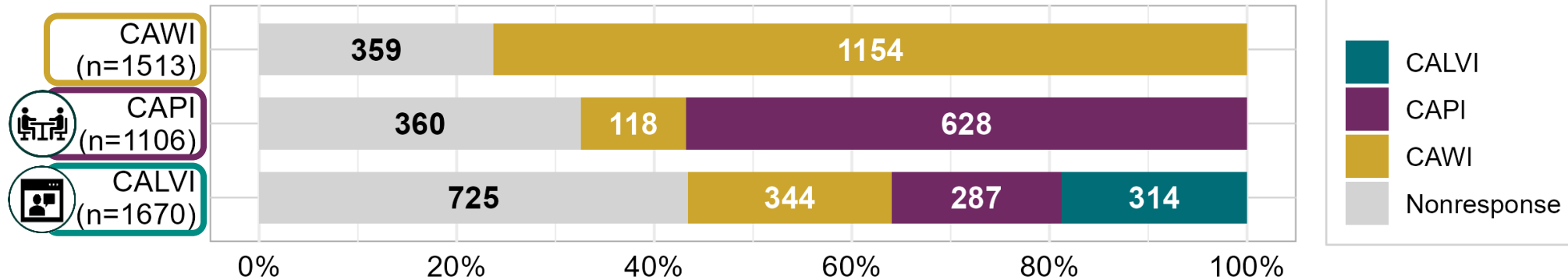


Mode: Allocation ≠ Realization

Transitions were possible to prevent attrition.

Only a 314 CALVI-invited households were indeed r in CALVI.

Realization Mode by Allocated Mode



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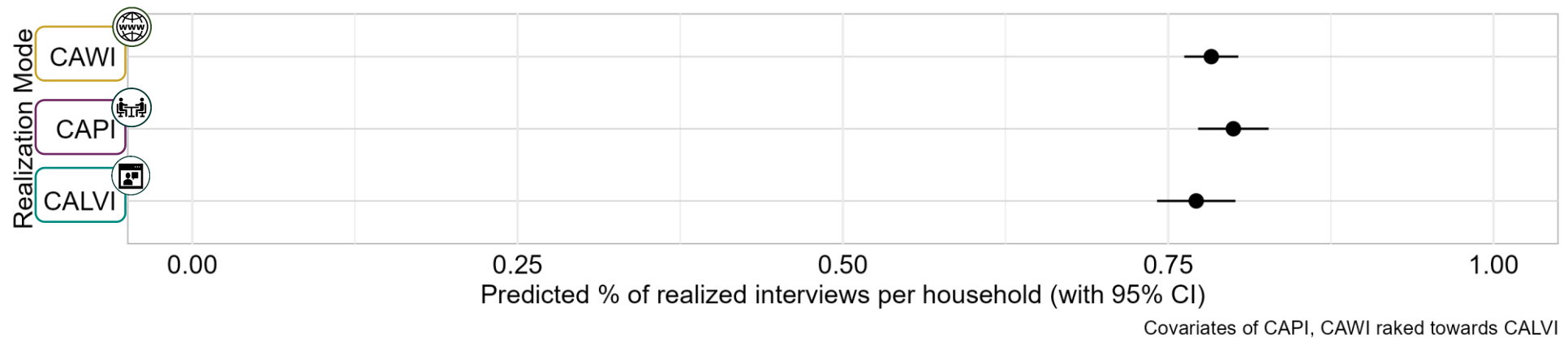
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Household Completeness

- % of eligible household members who participated in the survey



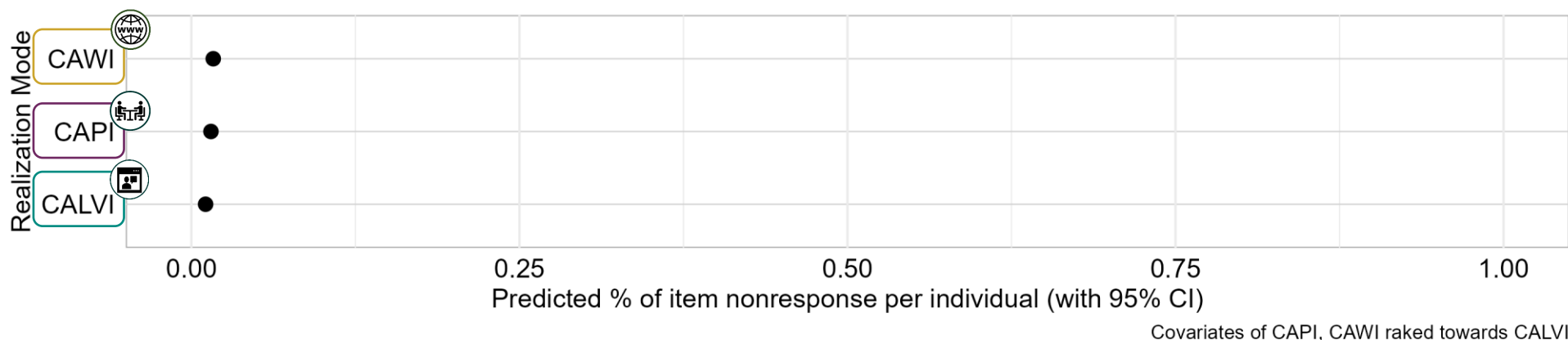
Item Nonresponse

- % of displayed survey questions that were skipped by respondent

- Break-off's: CAWI CAPI CALVI

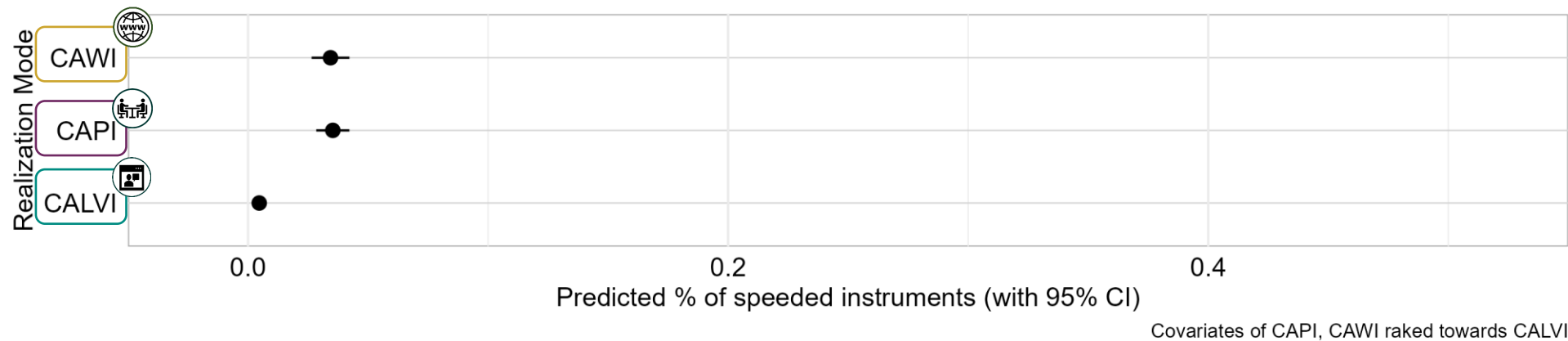
6.9% 5.9% 1.8%

=> weighted up by breakoff position (stronger penalization for earlier breakoffs)



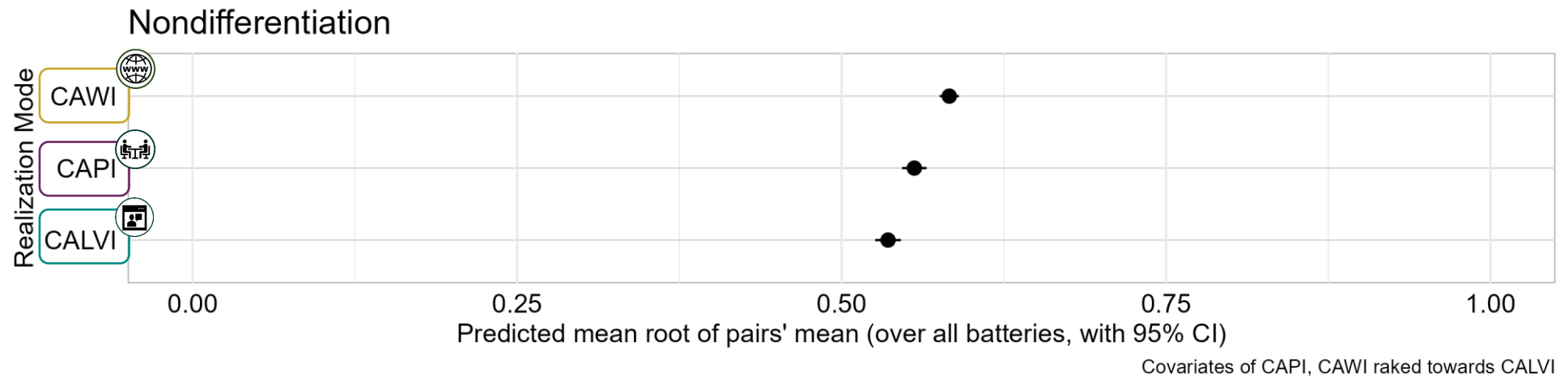
Speeding

- % of survey instruments a respondent speeded* through
- “Speeding”: completing faster than 40% of the median completion time for respondents using the same survey mode



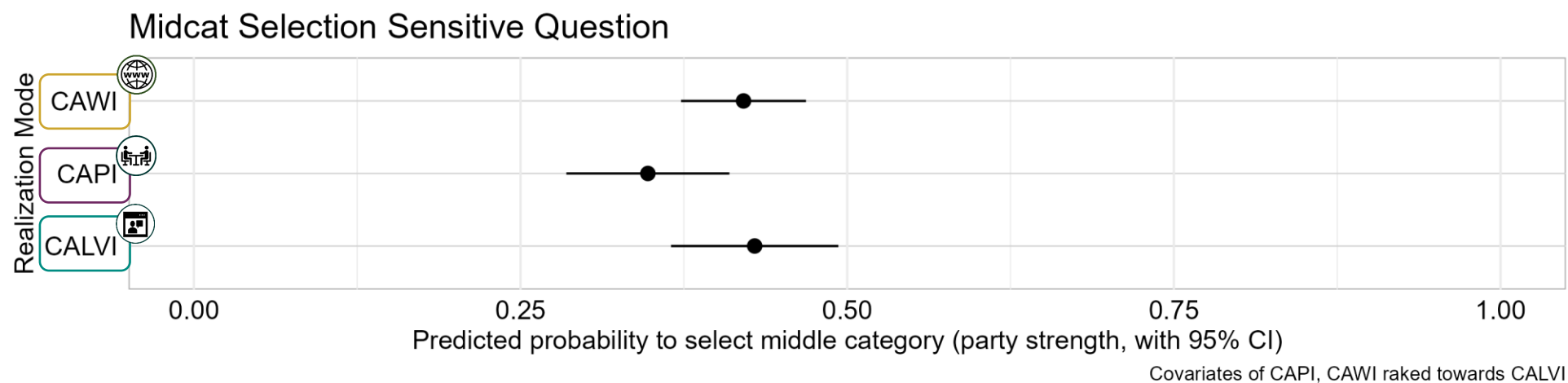
Nondifferentiation

- Individual average nondifferentiation (mean root of pairs) over all item batteries in the survey



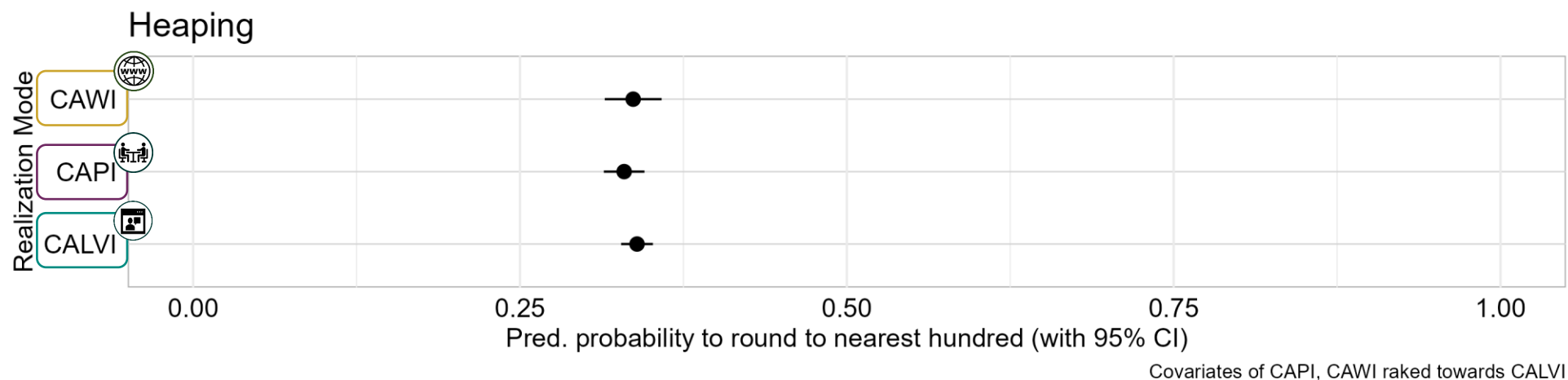
Sensitive Questions

- Item nonresponse political party preference:
CAPI: n = 22 (2.1%), CAWI: n = 23 (1.1%), CALVI: n = 1 (0.3%)
- Strength of preference: Middle category



Heaping

- Share of household members' responses rounded to the nearest 100 across all valid numerical answers to open-ended monetary questions (rent, utilities, garbage collection, etc.)

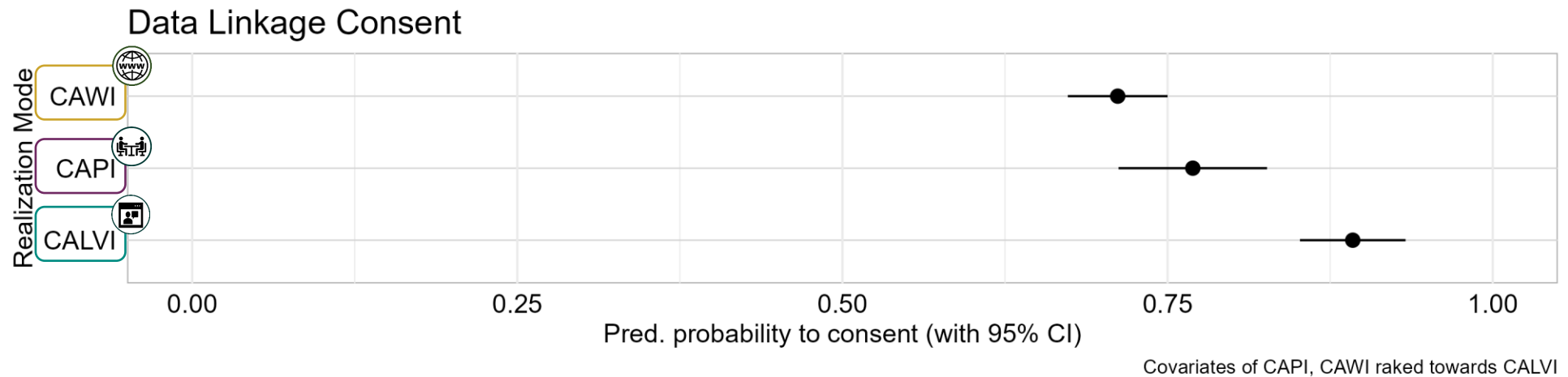


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Data Linkage Consent

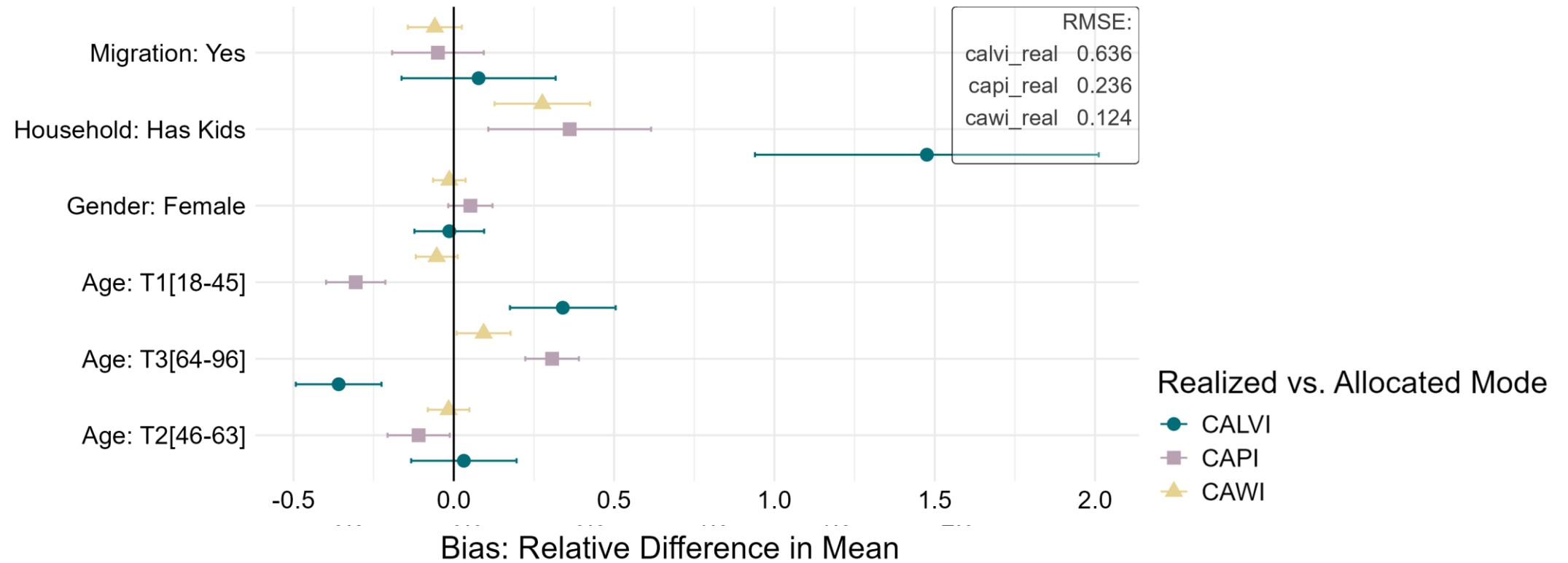
- Consent to linking survey responses data with administrative records from the IAB (Institute for Employment Research)



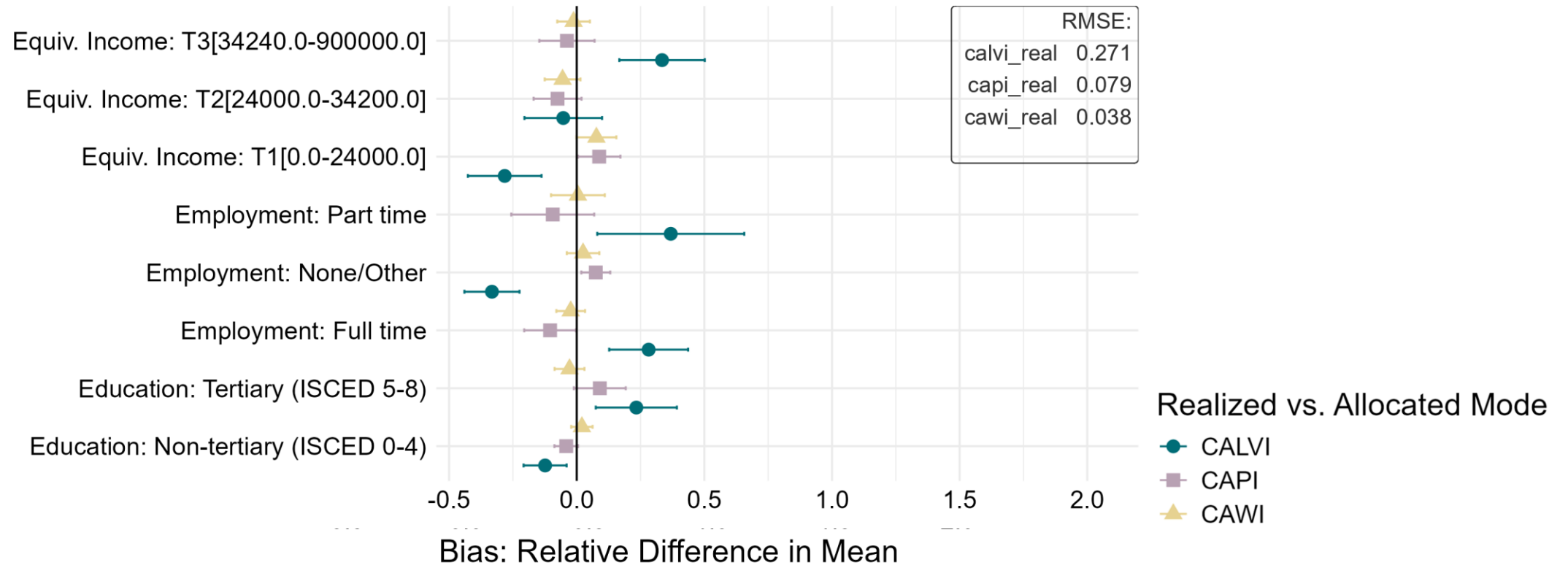
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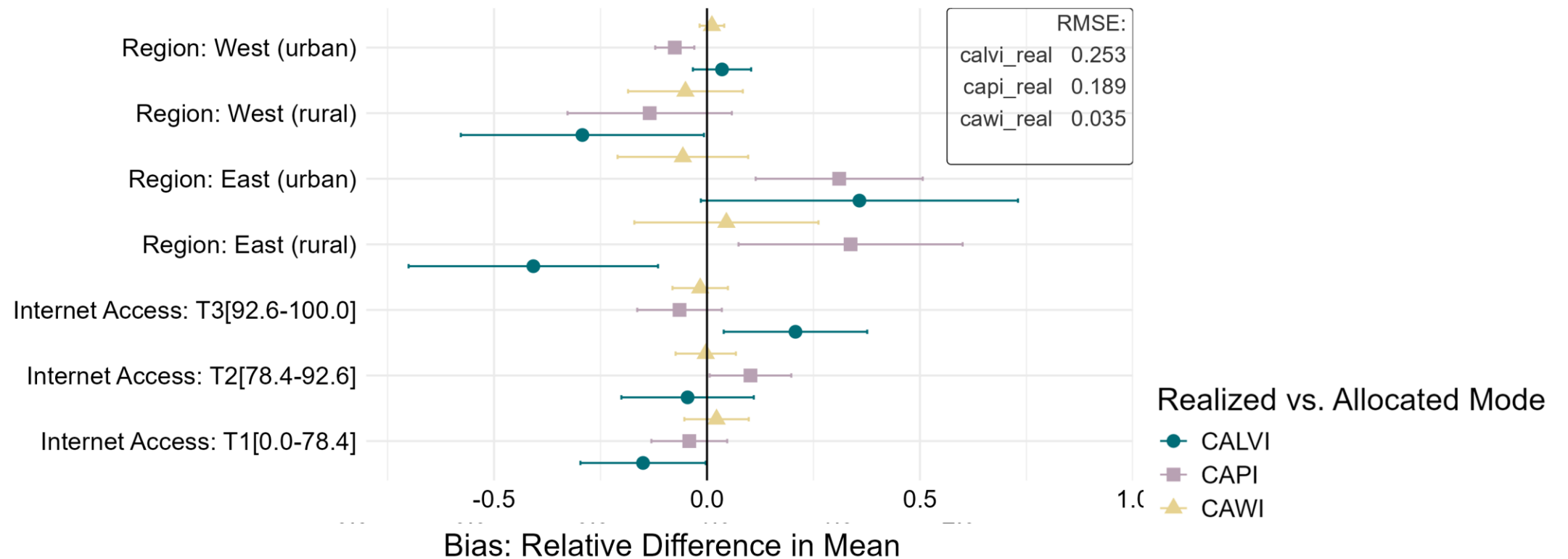
Selectivity (1)



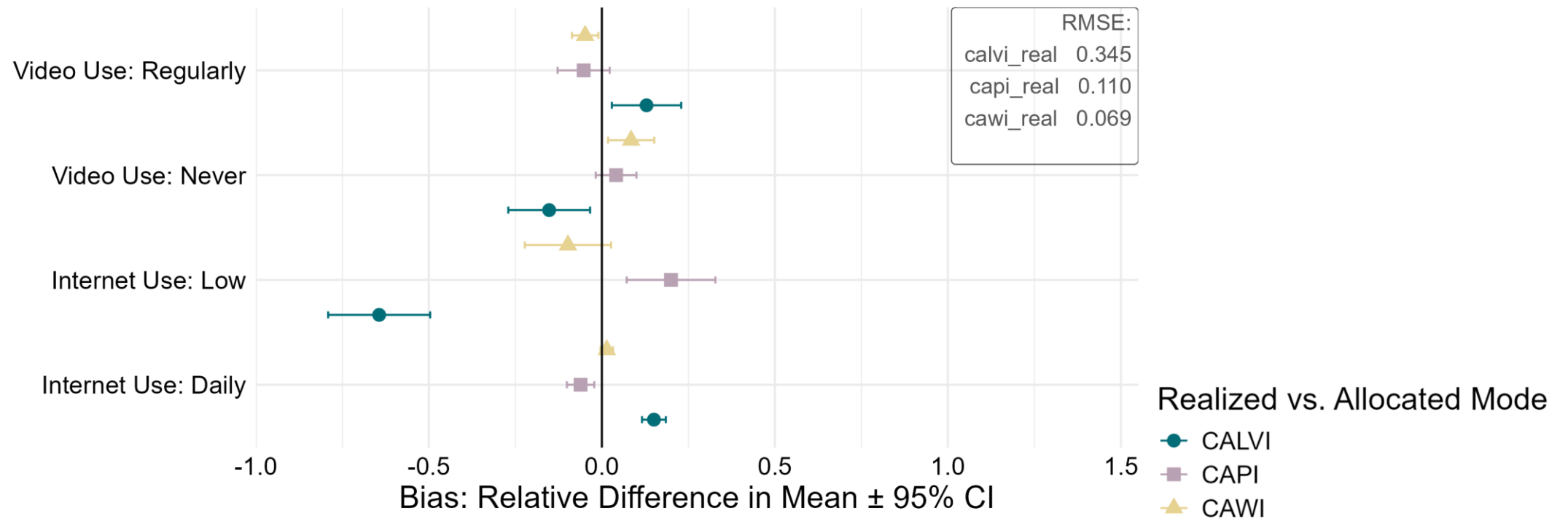
Selectivity (2)



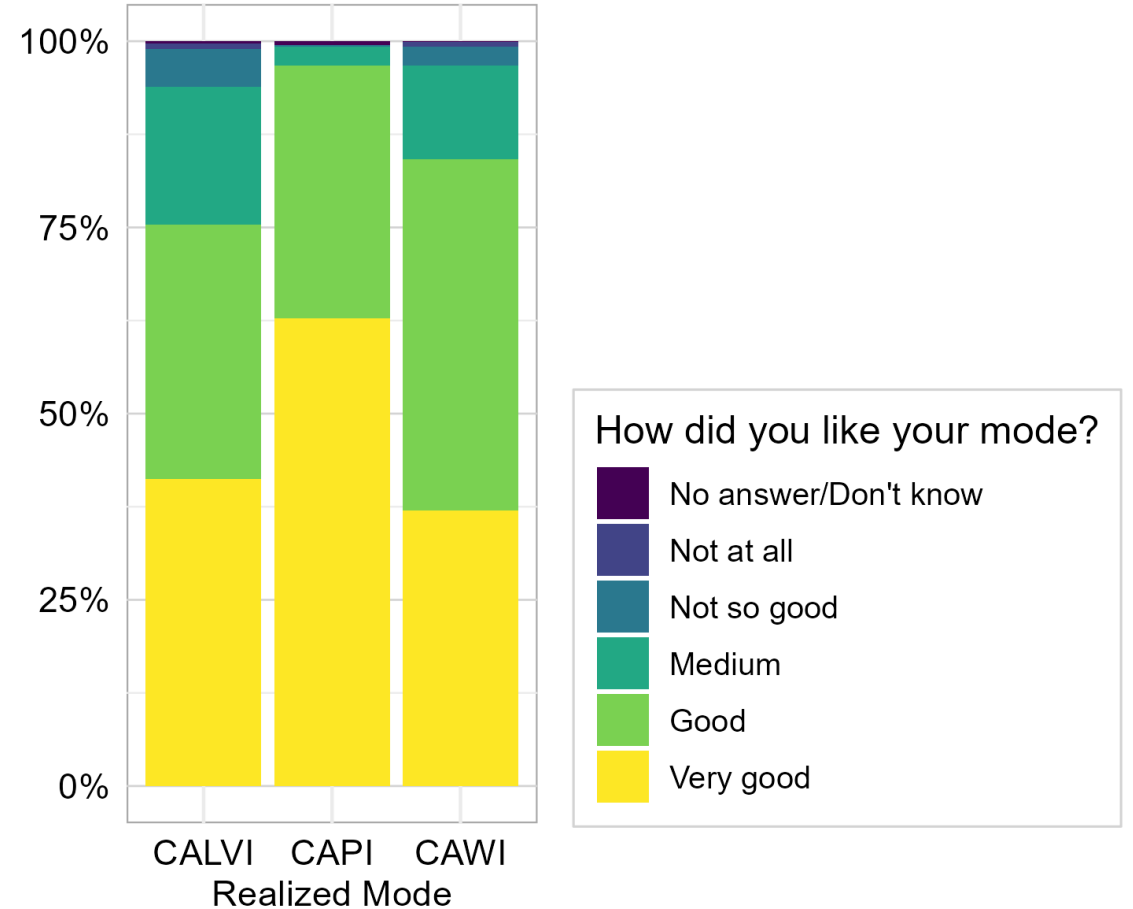
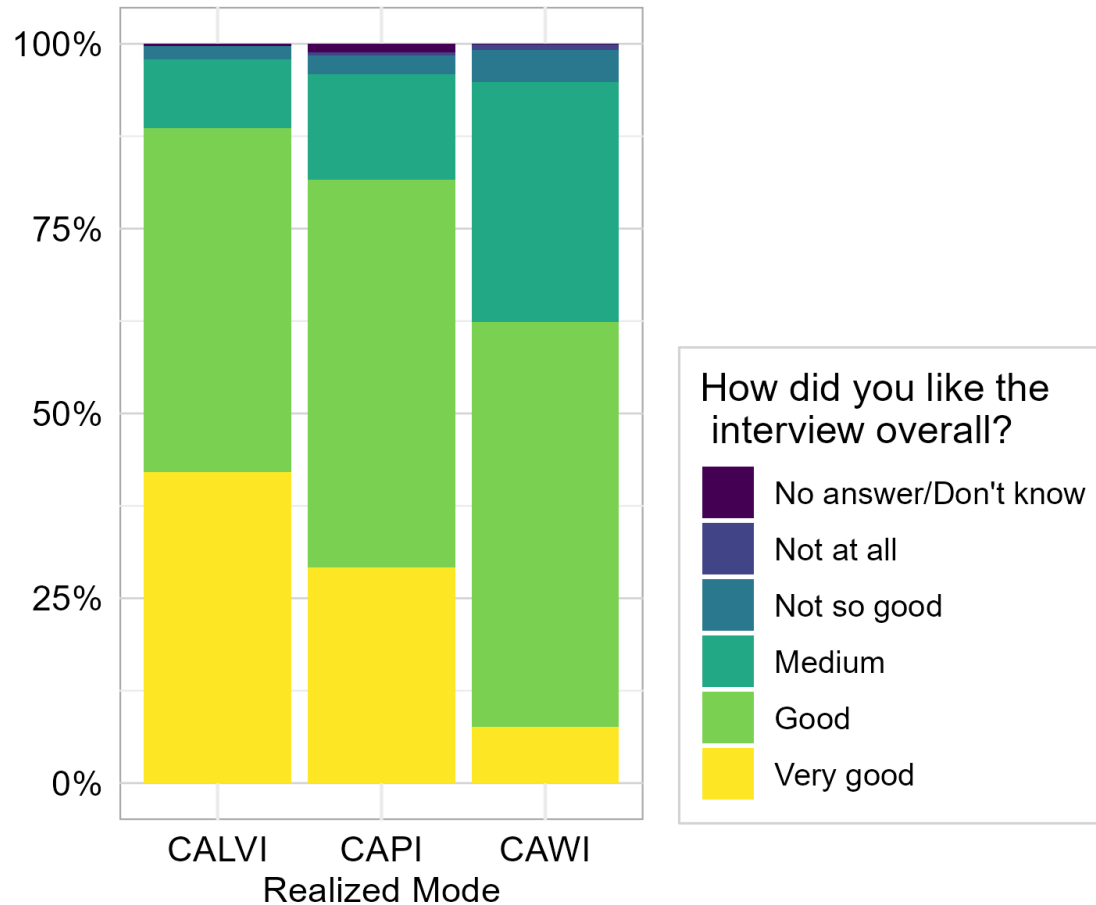
Selectivity: Infrastructure/Surroundings



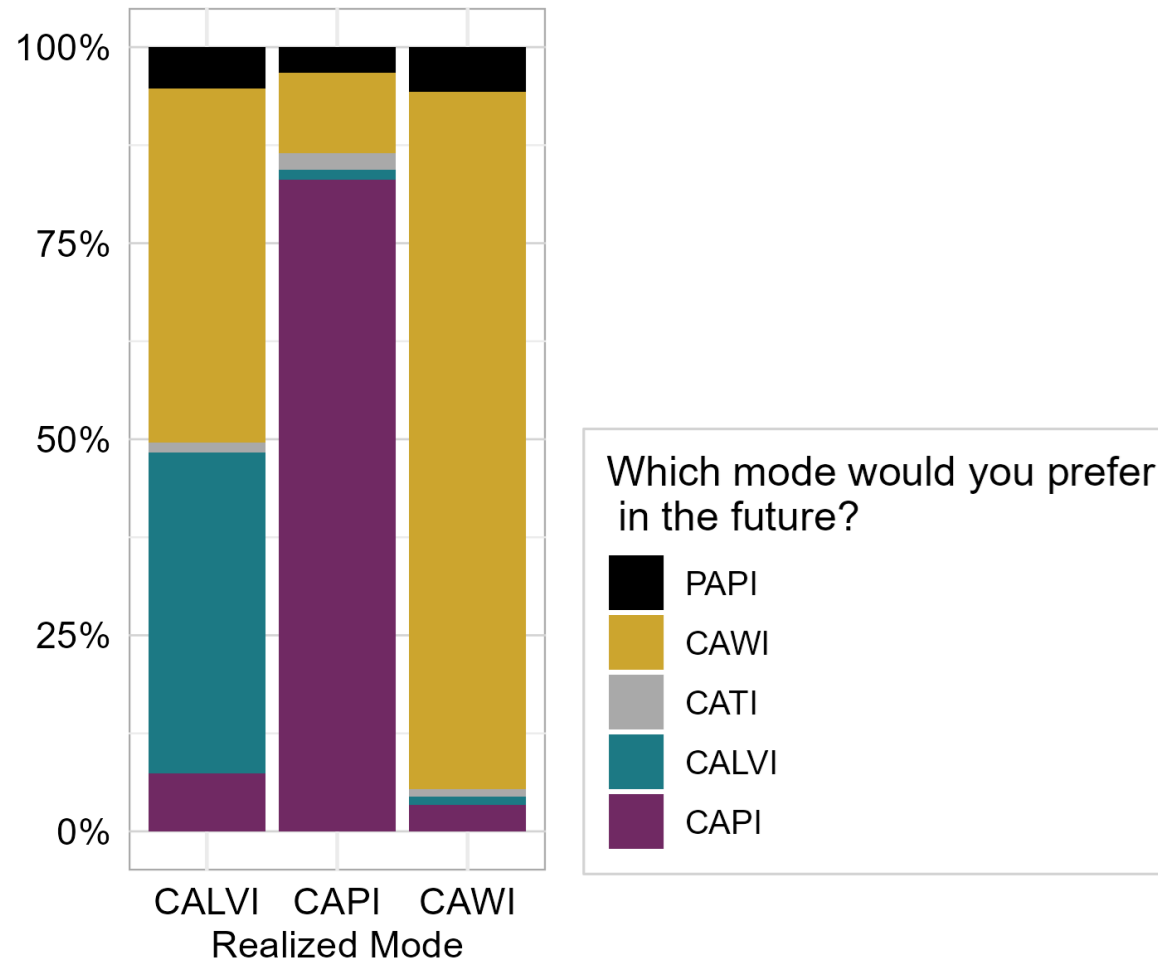
Selectivity: Literacy



Respondent Satisfaction



Respondents' Future Preference



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Conclusion

- It requires a lot of motivation to participate in CALVI.
- For the high level of motivation needed, participation rates were surprisingly high. Still, we lost several panel cases.
- Soft switch should be possible to minimize attrition.
- CALVI addresses a certain subpopulation (young, urban, high SES).
- CALVI's deliver high quality data, and CALVI participants are considerably open to consent to data linkage.
- Technical issues, internet connectivity play a role.
- Respondents are okayish satisfied with CALVI, but it's not first choice for the majority of participants.

Thanks for your attention.



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