

Modeling Relationship between Alcohol Policy
Perception and Alcohol Consumption in '01
Harvard College Alcohol Survey (CAS)

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Objective

- ▶ Data: 2001 Harvard College Alcohol Study (CAS)
 - ▶ 10904 participants (unknown response rate)
- ▶ Investigate the correlation structure between **subjective beliefs about campus alcohol policy** and **objective measures of alcohol consumption**
- ▶ *Section B* for subjective questions, *Section C* for objective questions
- ▶ Standard survey modeling techniques: factor analysis, structural equations model, item response theory

What A Structural Model Looks Like

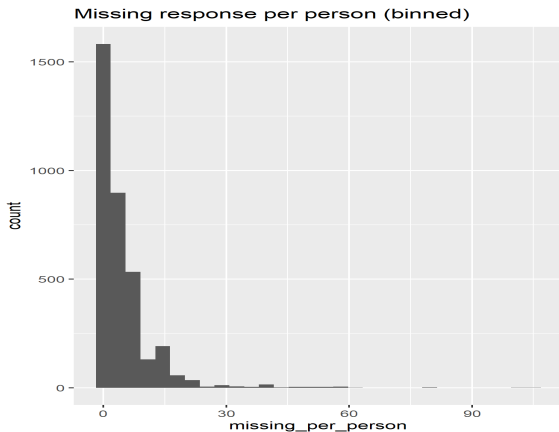
... Graphic plot here (believe will be better to include it soon to give the big picture)...

Data Processing

- ▶ Aggressive pruning of the variables before modeling
- ▶ Unreliable responses classified based on
 - ▶ Response to A7: A (alone) is not allowed with other responses (family/partner/roommate)
 - ▶ Response in Section C: participants who chose 1 in C10 and answered C11–C15, etc.
- ▶ WEIGHT01 used as sampling weights (intended for cross-sectional studies)

Missing Responses

- ▶ Missing response rate adjusted for questions that only target certain demographic subgroups



Missing Responses for Each Section

Methods

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Main Results

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Model Diagnostics

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Interpretation

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Conclusion

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