



## The chords R Package- A Principled Approach to Respondent Driven Sampling

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### Abstract

The abstract of the article.

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## 1. Introduction

As the name suggests, Respondent Driven Sampling (RDS) is a framework for sampling by chain-referral. RDS is a bundle of a sampling mechanism and analysis methods, most common in the study of marginalized populations which do not lend themselves to simple sampling [Heckathorn \(1997, 2002\)](#).

In RDS seeds are selected – usually by convenience – from the target population, and given coupons. They use these coupons to recruit others, who themselves become recruiters. Recruits are given an incentive, usually money, for taking part in the survey, and also for recruiting others. This process continues in recruitment waves until the survey is stopped, usually when a target sample size is reached.

## 2. Work Flow

## 3. Some Technicalities

## 4. Conclusion

## 5. Future Work

## References

Heckathorn D (1997). “Respondent-driven sampling: a new approach to the study of hidden populations.” *Social Problems*, **44**(2), 174–199.

Heckathorn D (2002). “Respondent-driven sampling II: deriving valid population estimates from chain-referral samples of hidden populations.” *Social Problems*, **49**(1), 11–34.

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