## The Trouble with Tasks: **Exploring How Technology Can Help Us Create Prosocial Households NEAL FALLETTA-COWDEN**, Funmi Sheddy, & Jessie Schindler

## Introduction

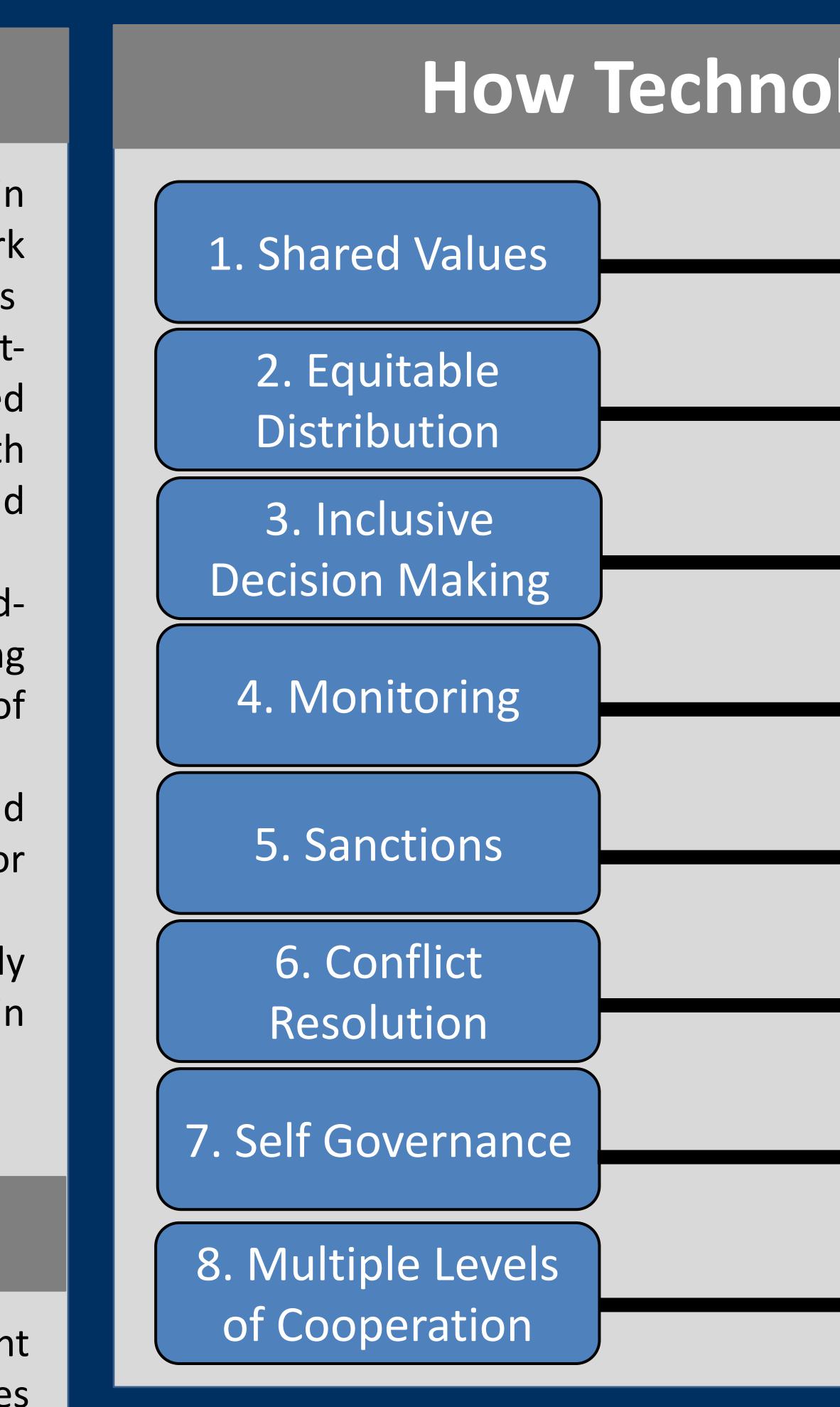
- Humans are increasingly being placed in they must work contexts where cooperatively to maintain shared households
- Delayed marriage rates, climbing studentloan debt, and rising housing costs have led to increased numbers of households with adult members beyond a homeowner and spouse
- Nearly 32% of American adults live in sharedhouseholds across all age-ranges, including about 25% of Americans between the ages of 18-34
- Issues with the distribution of work and household labor are increasingly motives for divorce
- Less than half of roommates are highly satisfied with their housing arrangements in college

#### **Prosocial CDPs**

Prosocial has been developed to augment cooperation by using the Core Design Principles (CDPs):

- 1. Defined Boundaries and Shared Values
- 2. Equitable distribution of benefits and costs
- 3. Collective Choice Arrangements
- 4. Monitoring of Agreed-Upon Behaviors
- 5. Graduated Sanctions for Misbehavior
- 6. Fast and Fair Conflict Resolution
- 7. Right to Self Organize
- 8. Polycentric Governance

Technology can help us apply the CDPs to Task distribution in shared households



## Discussion

- What is being proposed is an application that helps households manage task distribution by using the CDPs and Prosocial as a guide for app features
- This research should serve as a prompt for Contextual Behavioral Scientists to look at how they can develop interventions which can be put in the hands of the people we hope to help on a grand scale
- Research on this application will analyze group task completion, wellbeing, and alignment with the CDPs

# How Technology Can Target CDPs in Households

| A shared value can be created by aligning goal of maintaining a task schedule as measu   |
|--|
| Each housemate's progress towards their ag<br>the service of the group goal is measured to e   |
| An application can be used to handle propose<br>the home or the frequency with which they s  |
| The application may be used to track tasks of<br>and share this progress with others in the hor  |
| The process of sanctioning members who of the other of the second |
| Strategies to overcome conflicts which arise is an application and aid communication betwee  |
| Household tasks, sanctions in place, methors shared goals of the house may all be determined and the start of the start of the start of the house may all be determined and the start of the house may all be determined and the start of the house may all be start of the start  |
| Scaling up an application from the household level would allow for cooperation and goal-se   |

## **Future Directions**

- in hard data

#### Contact authors for list of references.





housemates towards the common red through an application

greed upon target of housework in ensure equitable task distribution

als and voting on new tasks to do in hould be done

completed by each house member usehold

do not pull their weight, which is rough app notifications

in the home can be shared through en house members

ods of resolving conflicts, and the ned independently by the group

d task level to the community task etting at multiple levels

This app will provide data which will help solidify the empirical evidence for Prosocial, as it is currently lacking

A prototype of this application is currently being created and research will begin once development is complete