

# Exploring the Effects of Goal Setting When Training for Complex Crowdsourcing Tasks (Extended Abstract)

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## Motivation

- Some crowdsourcing tasks require complex knowledge to complete, and one approach is to train workers.
- Goal setting has been shown to be an effective strategy for motivating individuals during training to enhance learning and performance, but the effects in the context of crowdsourcing are unclear.
- In this work, we explore the effects of goal setting on crowd workers' learning during training for complex tasks, and their perceptions and performance after training.

## The Nutrition Task



4 Nutritional Components:

- Fat
- Fiber
- Protein
- Carbohydrates

## Treatments

Type of Goal:

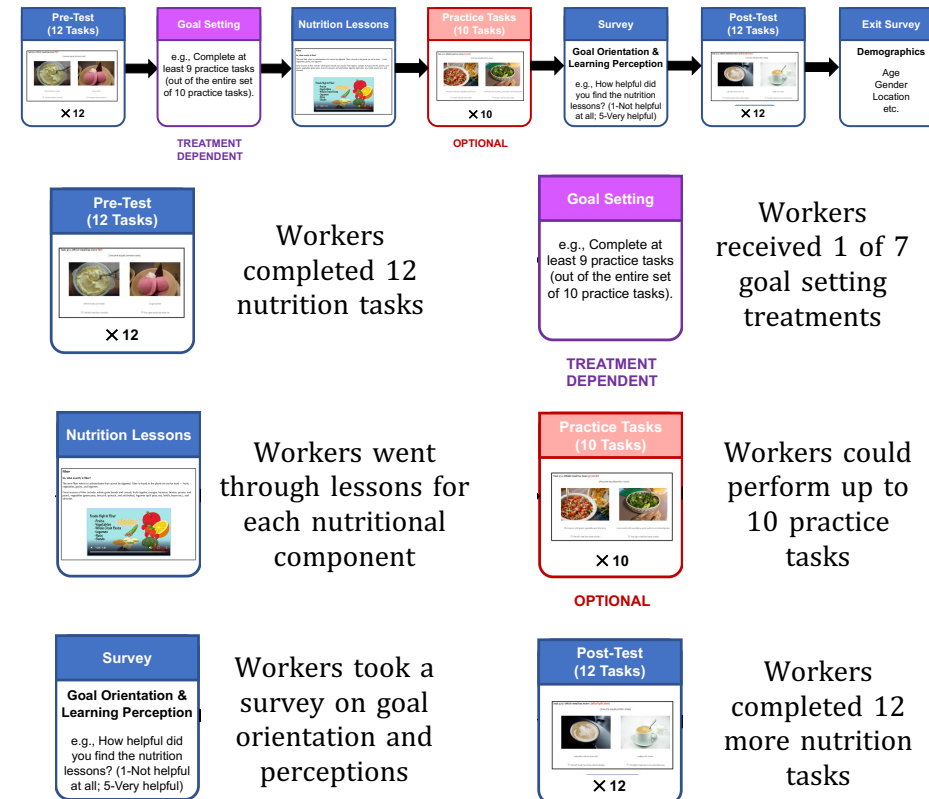
- Performance
- Learning
- Practice (Behavioral)

Initiator of Goal:

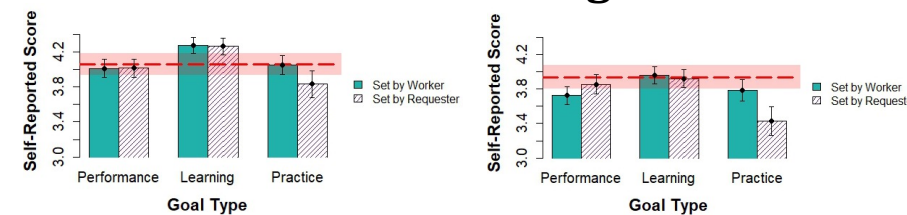
- Worker-set
- Requester-set

2 × 3 + 1 (control treatment) design

## Experimental Procedure



## Main Findings



- Workers with a learning goal believed the lessons to be more helpful and perceived themselves as having learned more.
- Setting different goals was **not** found to lead to significantly different learning outcomes or post-training performance.

## Exploratory Findings

### Matching Goals to Goal Orientation

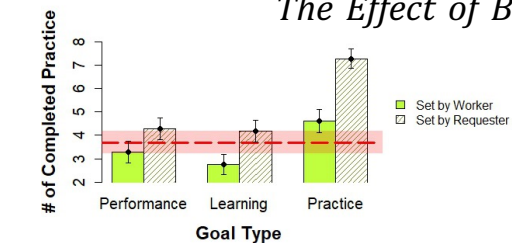


(a) Performance Goal Orientation

(b) Learning Goal Orientation

Matching workers who are highly motivated to learn new things with learning goals led to **improved** learning gain, but not improved post-training performance

### The Effect of Behavioral Goals



Workers with requester-set practice task goals completed **more** practice tasks on average than workers in other treatments

However, their learning gain and post-training performance was **lower** than workers in other treatments who chose to complete more practice tasks

## Implications

- Additional studies should be done to further explore ways to **personalize goals** for workers in order to see greater benefits when training for complex tasks.
- Behavioral goals **increase adoption** of desired behavior, and future work should be done to discover how to make workers see the merit of this desired behavior.