

**Timing the Engagement with the Mindsets of Cash Transfer Recipients:  
Analysis Plan for Recall and Agency Variables in the Manipulation Check Data**

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For a discussion of the rationale, context, and sample, consult the existing “Analysis Plan for Cognitive Outcomes”, which was registered on March 13<sup>th</sup>, 2018.

**OUTCOMES AND THEIR OPERATIONALIZATION**

In addition to the aforementioned cognitive outcomes, the following aggregates will be analyzed:

*Recall*

An index constructed with the method used by Kling, Liebman, & Katz (2007),<sup>1</sup> comprised of three variables:

- (1) A dummy variable coded to one if the respondent correctly recalls that a character name was mentioned in the movie.
- (2) A dummy variable coded to one if the respondent correctly recalls that the name of the lead character in the movie is “Judy”.

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<sup>1</sup> The indices in this paper will be constructed with the method used by Kling, Liebman, & Katz (2007). A paper by Orkin, Garlick, Mahmud, Sedlmayr, Haushofer, and Dercon et al. (forthcoming), which uses the same data set to study on the interaction of cash transfers and psychological interventions, may use a different method.

- (3) A dummy variable coded to one if the respondent answers that young Kenyan men who do secondary school are more likely to end up working in a paid job than those who do not.<sup>2</sup>

### *Agency*

An index constructed with the method used by Kling, Liebman, & Katz (2007), comprised of two variables:<sup>3</sup>

- (1) Self-efficacy: A scale from 0 to 28, constructed from the sum of 7 items, each scored from 0 to 4 points.
- (2) Growth Mindset: A scale from 6 to 36, constructed from the sum of 6 items, each scored from 1 to 6 points.

### DATA SOURCE

All outcomes discussed here were collected in the manipulation check survey that immediately followed the psychological intervention.

### EMPIRICAL STRATEGY

#### *Model Specification*

Equal to that of the “Analysis Plan for Cognitive Outcomes”, which was registered on March 13<sup>th</sup>, 2018.

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<sup>2</sup> This statement was made during the movie’s intermission.

<sup>3</sup> This paper largely builds on the same data set as a paper by Orkin et al. (forthcoming), which studies on the interactions of cash transfers and psychological interventions. The weighting methodology used in the index construction is expected to differ in that paper and will likely rely on the method used in Anderson (2008) as opposed to Kling et al. (2007).

### *Adjustments*

Observations will be dropped in case values fall outside of the allowable range. No further adjustments are currently envisioned. Any procedures for adjusting missing or outlier values in the covariates will follow those of the main study.

### *Aggregation*

The analysis of the *recall* and *agency* variables will control for the false discovery rate, following Benjamini & Hochberg (1995) and Anderson (2008). The previously specified cognitive index, as well as any additional primary outcomes that may be specified in the future, will form part of the same family of tests.