Can personalized digital counseling improve consumer search for modern contraceptive methods?

Replication Package

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Code

This replication package contains the data and code necessary to replicate the analysis. The `code` folder contains the Stata do files and R Scripts that prepare, run, and export the analysis tables and figures. To replicate the analysis, all that is required is to change the path of the working directory in the `R` script and `Stata` do file entitled: `00-Setwd-RunAll` to the project root - i.e. where the "Replication Package." folder is located on your machine - and run the script. These script will automatically install the required packages/programs and run the analysis 'subscripts', each of which produces an individual output table and figure. The tables and figures are automatically exported to the `output` folder in their respective sub-folders. The `output` folder also contains a `.tex` file that compiles the tables and figures into one document.

Note: This do file only contains the experimental data, it therefore excludes tables that were calculated using auxiliary data sources that could not be presently shared - i.e. the DHS data and the follow-up survey data.

Folder Structure

This replication package is is organized into the following folders:

```
+--code
+----programs
+--data
+--output
+----figures
+----tables
```

Stata dofiles

- `00-main.do`: Main global dofile. It sets paths and install required packages to run the do files.

Main tables:

- `T01-descriptives.do`: Exports Table 1 without the DHS column of the main manuscript.
- `T02-het-internal-ranking.do`: Exports Table 2

Appendix Tables:

- `T01-descriptives.do`: Exports Table S1.
- `TS2-method-mix.do`: Exports Table S2.
- `TS3-balance-prices-pd.do`: Exports Table S3.
- `TS4-balance-view.do`: Exports Table S4.
- `TS6-rankings.do`: Exports Table S6.
- `TS7-continuations-fup16w.do`: Exports Table S7.
- `TS8-QofC.do`: Exports Table S8.

- `TS9-heterogeneity-main-discount.do`: Exports Table S9.

R Scripts

- `00-Setwd-RunAll`: Main global rscript. It sets paths and run all scripts.

Main figures: - `F02-view-prices-plot.R"`: Exports Figure 2. - `F03-ndm-all.R"`: Exports Figure 3.

Appendix Figures:

- `FS1-view-prices-all.R"`: Exports Figure S1.
- `FS2-view-prices-sarcs-narrow.R"`: Exports Figure S2.
- `FS3-view-prices-sarcs-broad.R"`: Exports Figure S3.
- `FS4-view-prices-larc-day-one.R"`: Exports Figure S4.
- `FS5-larcs-overtime.R"`: Exports Figure S5.
- `FS6-distribution-method-discussion-by-rank.R"`: Exports Figure S6.
- `FS7-distribution-method-discussion.R"`: Exports Figure S7

Data

The `data` folder contains the datasets used for analysis. There are three datasets shared in this replication package.

1. `hgopy_pilot_public`: The main experiment data. The dataset contains the main analysis variables at the client level.
2. `hgopy_pilot_counselling_public`: Contains information on the methods counselling at the client level, constructed using meta data from the tablet.
3. `adopted_methods_public`: Contains information on the methods adopted and discussed by each client, built using metadata from the tablet.
4. `hgopy_followup_public`: Contains a subset of data from the 2 and 16 weeks follow-up surveys, note that this data cannot be merged to the experiment data as it was obtained from a different sample.
5. `daily_adoptions_panel_public`: Contains information on the daily adoptions to estimate the adoption rates over time, built using tablet and administrative data.

Outputs

The `Outputs` folder contains the generated outputs, such as tex files and png files for the figures, and tables. This folder is populated after you run the both main scripts in Stata and R.