**README (03/29/2023)**

In this replication file, we provide the code necessary to reproduce the tables and graphs of the paper, “Empowering Women Facing Gender-Based Violence amid COVID-19 through Media Campaigns” Specific comments can be found within each document.

Run the following R Script to replicate and store all Figures and Tables in the paper.

* **RunAll.R**

The file contains the following subfolders:

* **Datasets:** 
  + **ArabBarometer:** Contains the dataset from the Arab Barometer website (<https://www.arabbarometer.org/>) used in our analysis.
  + **ClickyAnalysis:** raw dataset with the registered interactions on the website or YouTube video.
  + **Facebook\_ad\_data:** distribution data across Egyptian governorates and age groups obtained from Facebook advertisement to recruit Egyptian Women.
  + **InitialData:** Contains the initial data.
  + **Map:** Contains the files of the geocoordinates of Egypt.
  + **Message tracking:** Contains data for WhatsApp group interactions.
  + **Mobility:** Google’s mobility data during the COVID-19 pandemic.
  + **Treatment for other baseline:** Translated and coded answers of baseline variables with ‘Other’ category as text response.
  + **Treatment for other endline:** Translated and coded answers of endline variables with ‘Other’ category as text response.
  + All other datasets are generated using our code.
* **Figures:** All figures generated will appear in this folder. The folder also contains a PNG image included in the paper.
* **Scripts:** 
  + **General Scripts:** Contains auxiliary scripts used to estimate the treatment effects, such as the LASSO Algorithm.
  + **RequiredPackages.R:** Install and load the require packages for the analysis.
  + **PanelFunction.R:** Auxiliary functions to construct table panels, headers, and alignments.
  + **BaselineVariables.R:** Reads the initial dataset and computes all the necessary variables and modifications at baseline for further analysis.
  + **EndlineVariables.R:** Reads the dataset created in BaselineVariables.R and computes all the necessary variables and modifications at endline for further analysis.
  + **ArabBarometerComparison.R:** Compares our survey data sample with the Arab Barometer data from 2018 and 2016.
  + **Map.R:** Computes the distribution of survey responses by Egyptian governorates.
  + **BalanceTables.R:** Runs the balance analysis and generates the balance tables.
  + **BalanceSingleTable.R:** Computes a single balance table for all baseline covariates.
  + **TreatmentEffectsLASSO.R**: Computes the First Stage and Reduced Form analysis using the LASSO algorithm to obtain the Panel A from treatment effects’ tables, as well as Panel B using only the lagged dependent variable, and Panel C with no covariates.
  + **TreatmentEffects.R:** Auxiliar script that computes the same tables as in TreatmentEffectsLASSO.R but changing Panel A with family covariates instead of using the LASSO algorithm.
  + **ClickyAnalysis.R:** Runs the analysis on the number of visitors and interactions in a server that hosted YouTube videos and other content.
  + **Mobility.R:** Computes the Figures of mobility in Egypt during the COVID-19 pandemic in different industries using Google’s mobility data.
  + **HEs.R:** Runs the analysis on Heterogeneous Effects.
  + **PostStratificationData.R:** Creates the post stratification tables with the corresponding weights by strata.
  + **PostStratificationAnalysis.R:** Creates treatment effect table adjusted by post stratification weights.
  + **Baseline Attrition.R:**
  + **BayesFactor.R:** Computes power test table for non-statistically significant results at the 95% level.
  + **PowerTests.R:** Creates power test table with a significance level of 0.05 and a power of 0.80.
  + **Dups data handling.R:** Analogue to BaselineVariables.R and EndlineVariables.R for responses from participants that answer twice or more to any of these surveys.
  + **MainResults\_wDups:**  Creates a single table for all main outcome indexes using the original dataset plus 210 observations from duplicated respondents.
* **Tables:** All tables generated will appear in this folder. Initially, the folder contains 3 tables in TeX format of pure text that appear in the final paper.
* **Appendix:**
  + **OnlineAppendixA.Rmd:** Compiles a single pdf for Balance, First Stage, and Reduced Form tables for all treatments separate.
  + **OnlineAppendixB.Rmd:** Compiles a single pdf for Balance, First Stage, and Reduced Form tables for Facebook and WhatsApp treatments pooled.
  + **OnlineAppendixC.Rmd:** Compiles a single pdf for Balance, First Stage, and Reduced Form tables for all treatments pooled.

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