This document describes the data replication package associated with the article "Who are we up against? Heterogeneous group contests with incomplete information" by Vasudha Chopra, Hieu Nguyen, and Christian A. Vossler. *Journal of Economic Behavior and Organization* manuscript JEBO-D-24-00131.

File structure:
The replication package zip file contains this README file, the data, a Stata do-file, a Stata log file, and the folder "Results" which contains all the output from running the code as described below.

Software requirements:
The analysis was undertaken with Stata version 18.0.
The code makes use of the following user-defined commands, which must be installed prior to executing the code: outreg; reghdfe.

Approximate run time:
Less than 1 minute, based on Lenovo ThinkPad P14s Gen 1, Intel(R) Core(TM) i7-10510U CPU @ 1.80GHz, 32 GB of RAM, Windows 10 OS, and Stata v.18.0 SE.

Main files:

Group_Contest.dta	This is a Stata-formatted data file containing all the variables needed for replicating the analysis presented in the paper.
Group_Contest.do	This is a Stata-formatted "do" file that contains commands to reproduce the results presented in the paper and the appendix. The code is annotated.
Group_Contest.pdf	Log file (.smcl converted to .pdf) that documents all results obtained from executing the Stata do-file

Output files (main text):

Table5.doc	Description of data
Table6.doc	Analysis of group-level effort by contest type
Table7.doc	Analysis of group-level effort across strong and weak groups, by contest
Table8.doc	Free-riding behavior and intra-group variation in individual effort
Figure 1a.png	Time-series of group-level effort (Uneven contest, Strong groups)
Figure 1b.png	Time-series of group-level effort (Uneven contest, Weak groups)
Figure 1c.png	Time-series of group-level effort (Even contest, Strong groups)
Figure 1d.png	Time-series of group-level effort (Even contest, Weak groups)
Figure 1e.png	Time-series of group-level effort (Incomplete information, Strong groups)
Figure 1f.png	Time-series of group-level effort (Incomplete information, Weak groups)

Output files (appendix):

TableB1.doc	Analysis of group-level effort by contest type (pre-pandemic)
TableB2.doc	Analysis of group-level effort across strong and weak groups, by contest type (pre-pandemic)
TableB3.doc	Analysis of individual effort by contest type

TableB4.doc	Analysis of individual effort across strong and weak groups, by contest type
TableB5.doc	Analysis of individual effort by contest type (Tobit)
TableB6.doc	Analysis of individual effort across strong and weak groups (Tobit)
TableB7.doc	Analysis of group-level effort, by contest type (last 10 rounds)
TableB8.doc	Analysis of group-level effort across strong and weak groups, by contest type (last 10 rounds)
TableB9.doc	Analysis of probability of winning in uneven contests
TableB10.doc	Free-riding behavior (Probit model)
TableB11.doc	Analysis of individual effort: behavioral dynamics