

### **First script [00\_import-data] ran successfully**

Generated datafile [data\_raw.RDS] successfully, but cannot compare to original file because data\_raw.RDS - as all files in the 01\_data-processing\data\_private folder – are not listed on Github. If you would like me to compare to see if those are identical, please send me the files from the data\_private folder.

### **Second script [01\_delineate-sample] returned an error**

```
Error in utils::download.file(url.split[[bk]], zip.split[[bk]], quiet = TRUE, :  
cannot open URL 'http://gran.groundhogr.com/windows/4.3/2024-02-01/xfun_0.41.zip'  
Error in if (size_in_bytes < 1024) { :  
missing value where TRUE/FALSE needed.
```

Fixed it in the script (see attached) by changing the first lines to:

```
packages <- c("tidyverse", "here")  
groundhog_day <- "2024-01-11"  
  
library(groundhog)  
  
groundhog::groundhog.library(pkg = "tidyverse", date = groundhog_day,  
force.install=TRUE)  
groundhog::groundhog.library(pkg = "here", date = groundhog_day, force.install=TRUE)  
  
install.packages("xfun")
```

Generated datafiles [delineated.RDS] and [included\_IDs.RDS] successfully

Compared to [delineated.RDS] and [included\_IDs.RDS] from Github, proved identical:

```
print(paste("Are the delineation objects identical?", identical_delineation))  
[1] "Are the delineation objects identical? TRUE"  
print(paste("Are the included_ids objects identical?", identical_included_IDs))  
[1] "Are the included_ids objects identical? TRUE"
```

### **Third script [02\_wrangle-data] ran successfully**

Generated datafiles [data\_final.RDS], [data\_final\_complete\_cases.RDS] and [data\_final\_imputed\_cases.RDS] successfully, but cannot compare to original files because all files in the 01\_data-processing\data\_private folder – are not listed on Github. If you would like me to compare to see if those are identical, please send me the files from the data\_private folder.

### **Fourth script [01\_generate-multiverse] ran successfully**

I switched off parallel processing because I ran into local RAM issues.

You might want to make a note about the binomial/non-integer values error message in the ReadMe, if you did not already, so that those trying to replicate the code understand it should not concern them.

Generated datafiles [multiverse\_parameters.RDS] and [multiverse\_results.RDS] successfully, but cannot compare to original files because all files in the 02\_analysis-codes\outputs folder – are not listed on Github. If you would like me to compare to see if those are identical, please send me the files from the folder.

### **01\_delineation successfully reproduced [but writing to file hindered by error]**

criterion	n_dont_fit
not_national_sample	2172
not_interviewed_zero	1068
not_two_cities	1592
not_race	1911
not_in_relationship	1266
not_interviewed_one	534

criterion	n_cumulative_fit	n_cumulative_dont_fit
fit_criterion_1	2726	2172
fit_criterion_2	2726	2172
fit_criterion_3	2469	2429
fit_criterion_4	1914	2984
fit_criterion_5	1585	3313
fit_criterion_6	1585	3313

Error in `loadNamespace()`:  
! namespace 'insight' 0.19.7 is already loaded, but >= 0.19.9 is required

## 02\_descriptives successfully reproduced [but writing to file hindered by error]

Characteristic	N = 1,585 <sup>†</sup>
f_race	
White	720.00 (45.43%)
Black	865.00 (54.57%)
f_age	28.15 (7.32), 15.00 - 53.00
f_education	
Below HS	452.00 (28.57%)
HS and above	1,130.00 (71.43%)
Unknown	3
f_alcohol	
Never	477.00 (30.11%)
<1 / month	423.00 (26.70%)
>1 / month	684.00 (43.18%)
Unknown	1
f_drugs	
Never	1,369.00 (86.48%)

Characteristic	N = 1,585 <sup>†</sup>
<1 / month	102.00 (6.44%)
>1 / month	112.00 (7.08%)
Unknown	2
f_depression	1.09 (1.15), 0.00 - 7.00
Unknown	28
f_employment	
Unemployed	275.00 (17.37%)
Employed	1,308.00 (82.63%)
Unknown	2
f_incarceration	
No incarceration	1,153.00 (72.74%)
Experienced incarceration	432.00 (27.26%)
f_children	1.08 (1.35), 0.00 - 12.00
Unknown	12
f_poverty	3.02 (2.89), 0.00 - 15.80
f_home	
Owned	661.00 (41.84%)

Characteristic	N = 1,585 <sup>†</sup>
Rented	919.00 (58.16%)
Unknown	5
ipv_prop	0.13 (0.16), 0.00 - 1.00
Unknown	22
ipv_physical_prop	0.02 (0.10), 0.00 - 1.00
Unknown	4
ipv_emotional_prop	0.22 (0.23), 0.00 - 1.00
Unknown	11
ipv_controlling_prop	0.08 (0.18), 0.00 - 1.00
Unknown	11
ipv_binary	1,175.00 (75.18%)
Unknown	22

<sup>†</sup> n (%); Mean (SD), Range

Characteristic	N = 1,585 <sup>†</sup>
f_race	
White	720.00 (45.43%)
Black	865.00 (54.57%)
f_age	28.15 (7.32), 15.00 - 53.00

Characteristic	N = 1,585 <sup>†</sup>
f_education	
Below HS	455.00 (28.71%)
HS and above	1,130.00 (71.29%)
f_alcohol	
Never	477.00 (30.09%)
<1 / month	424.00 (26.75%)
>1 / month	684.00 (43.15%)
f_drugs	
Never	1,371.00 (86.50%)
<1 / month	102.00 (6.44%)
>1 / month	112.00 (7.07%)
f_depression	1.09 (1.15), 0.00 - 7.00
f_employment	
Unemployed	276.00 (17.41%)
Employed	1,309.00 (82.59%)
f_incarceration	
No incarceration	1,153.00 (72.74%)

Characteristic	N = 1,585 <sup>1</sup>
Experienced incarceration	432.00 (27.26%)
f_children	1.08 (1.34), 0.00 - 12.00
f_poverty	3.02 (2.89), 0.00 - 15.80
f_home	
Owned	661.00 (41.70%)
Rented	924.00 (58.30%)
ipv_prop	0.13 (0.16), 0.00 - 1.00
ipv_physical_prop	0.02 (0.10), 0.00 - 1.00
ipv_emotional_prop	0.22 (0.23), 0.00 - 1.00
ipv_controlling_prop	0.08 (0.18), 0.00 - 1.00
ipv_binary	1,193.00 (75.27%)

<sup>1</sup> n (%); Mean (SD), Range

**03\_main-analysis-unweighted successfully reproduced [writing to file hindered by error] – very, very similar results, but not exactly the same.**

**03\_main-analysis successfully reproduced [writing to file hindered by error]**

**04\_multiverse\_report successfully reproduced [writing to file hindered by error] very, very similar results, but in a few places not exactly the same.**