

Health Brief Findings

Arielle Herman

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Summary

All the below numbers affirm the analysis in the health brief. Still, I have rerun the data to account for three updates:

- inc_be_pov_after: two changes
 - 1) now correctly indicates “at or below poverty” (more correct given our categories and poverty line), and
 - 2) now correctly coded on the “after” question (q14, as opposed to the before question, q13)
- stress_bi: I accidentally reversed it the first time I coded it, but it is coded correctly now
- some small differences in the percentages (that are noted in the health brief outline)

Averages

```
# boosting rate
mean(wrangled$boost == 1, na.rm = TRUE)
```

```
## [1] 0.7102273
```

```
# average stress score
mean(wrangled$stress_score, na.rm = TRUE)
```

```
## [1] 6.406725
```

[[1]]

race_census	count	percent	mean_score
white (non-hispanic or latino)	488	44.16%	5.9
black or african american	194	17.56%	6.5
two or more races	81	7.33%	6.7
NA	69	6.24%	6.7
hispanic or latinx	208	18.82%	6.9
asian	64	5.79%	7.7
american indian or alaska native	1	0.09%	8.0

[[2]]

borough	count	percent	mean_score
manhattan	441	39.9%	6.1
queens	165	14.9%	6.2
brooklyn	207	18.7%	6.3
bronx	268	24.3%	7.1
si	24	2.2%	7.7

[[3]]

hh_ch_0_17_bi	count	percent	mean_score
Household Without Children	764	69%	6.2
NA	48	4%	6.5
Household With Children	293	27%	6.9

[[4]]

inc_be_pov_after	count	percent	mean_score
Above Poverty Line	790	71%	6.1
At Or Below Poverty Line	315	29%	7.3

[[5]]

rate_gov_good	count	percent	mean_score
Good Or Excellent	304	28%	5.6
Average Or Below	648	59%	6.8
NA	153	14%	NaN

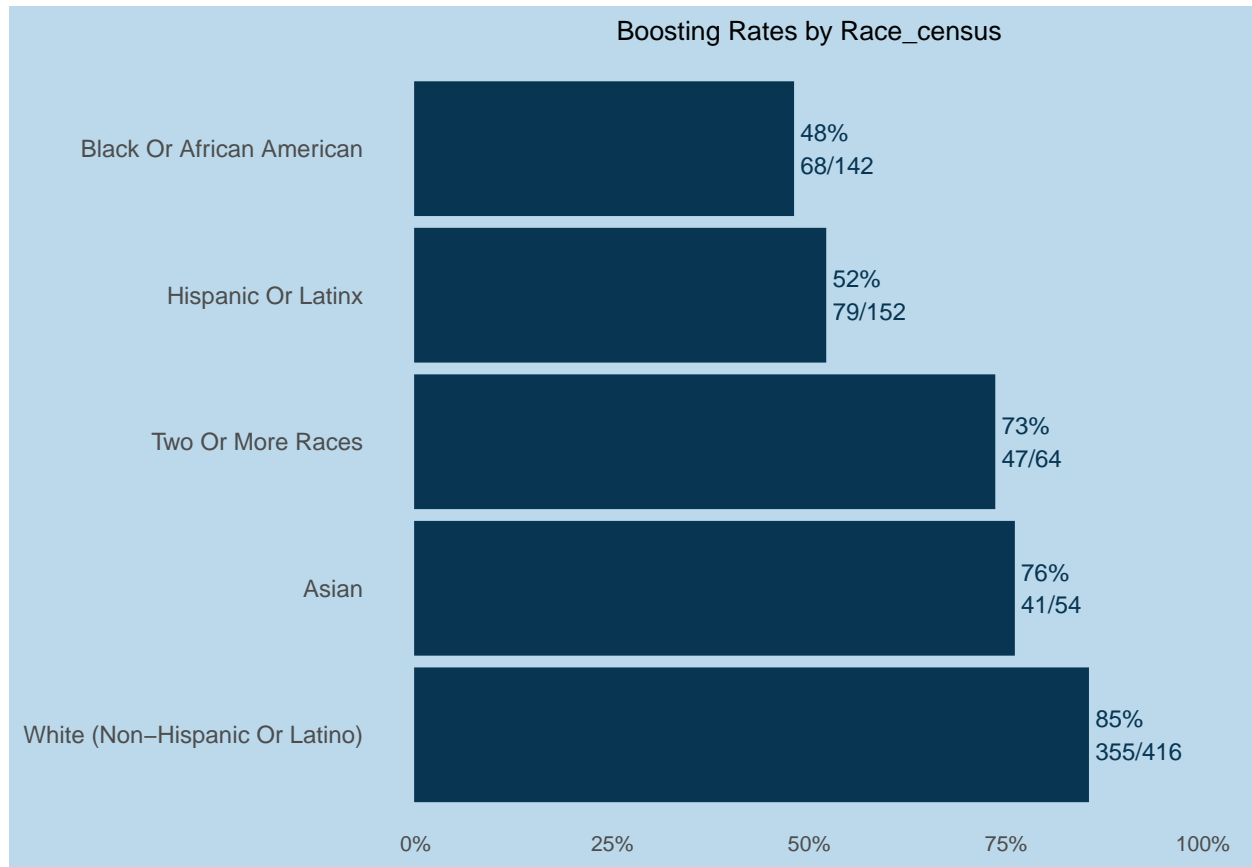
[[6]]

sch_level_cat	count	percent	mean_score
graduate degree	483	43.7%	5.8
NA	15	1.4%	6.3
some college, no degree	119	10.8%	6.6
undergraduate degree	384	34.8%	6.9
high school diploma or equivalent	65	5.9%	7.4
no high school diploma or equivalent	39	3.5%	8.2

Boosting Rate

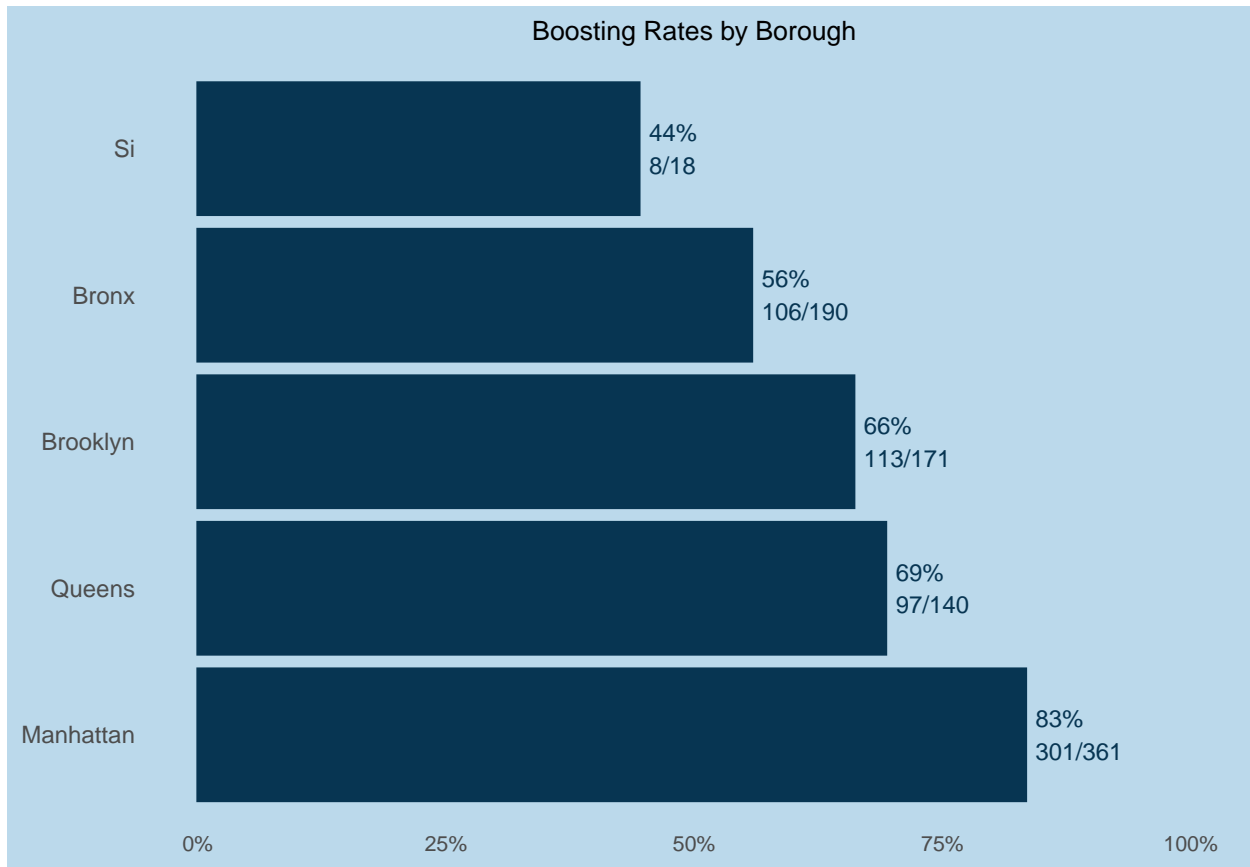
```
make_plots(wrangled %>% mutate(boost = boost == 1),
           c("race_census", "borough", "hh_ch_0_17_bi", "inc_be_pov_after", "rate_gov_good"),
           hyp_var = "boost",
           title = "Boosting Rates")
```

```
## $race_census
## $race_census$plot
```

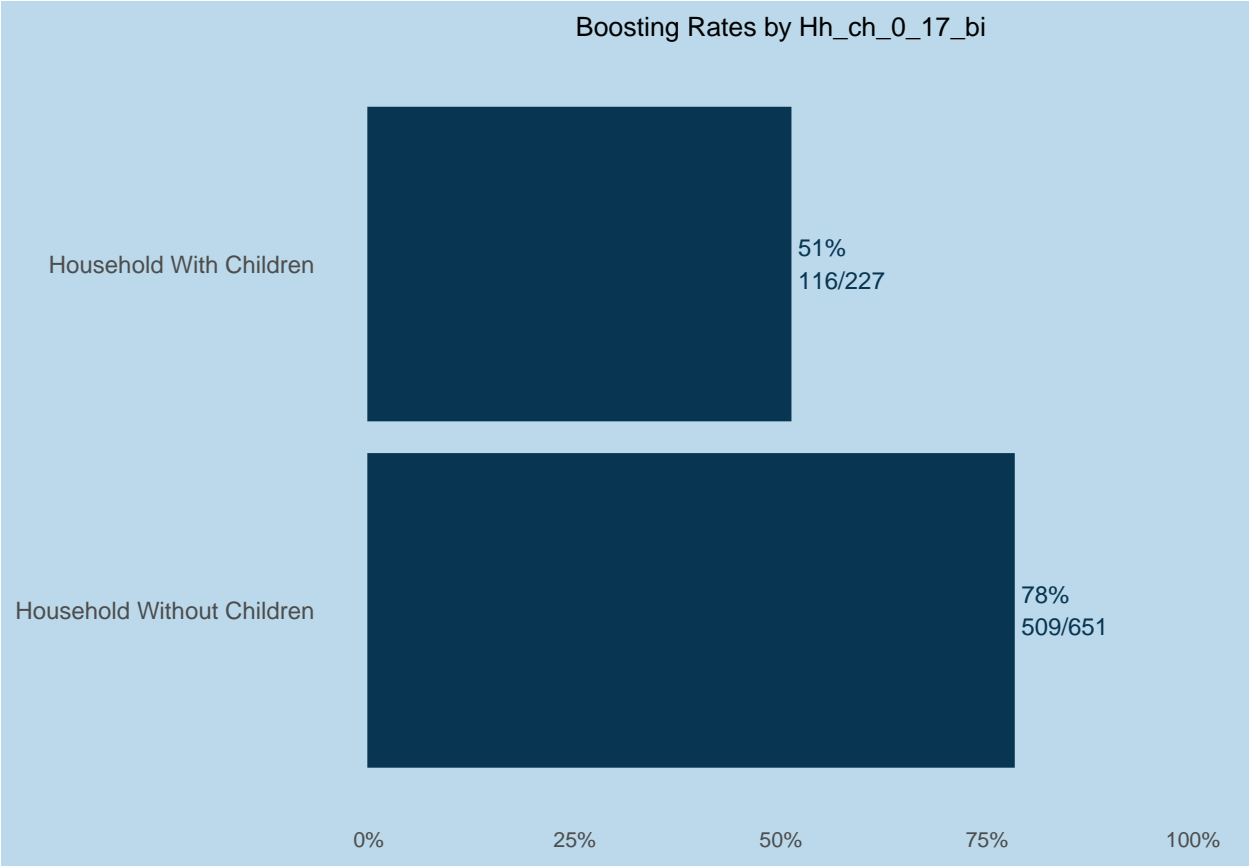


```
##
## $race_census$p.values
##
## black or african american hispanic or latinx
## black or african american NA NA
## hispanic or latinx NA NA
## two or more races 1.1e-03 5.6e-03
## asian 7.5e-04 3.7e-03
## white (non-hispanic or latino) 6.5e-19 2.9e-16
##
## two or more races asian
## black or african american 0.0011 0.00075
## hispanic or latinx 0.0056 0.00370
## two or more races NA NA
## asian NA NA
## white (non-hispanic or latino) 0.0260 NA
##
## white (non-hispanic or latino)
## black or african american 6.5e-19
## hispanic or latinx 2.9e-16
## two or more races 2.6e-02
## asian NA
## white (non-hispanic or latino) NA
##
##
```

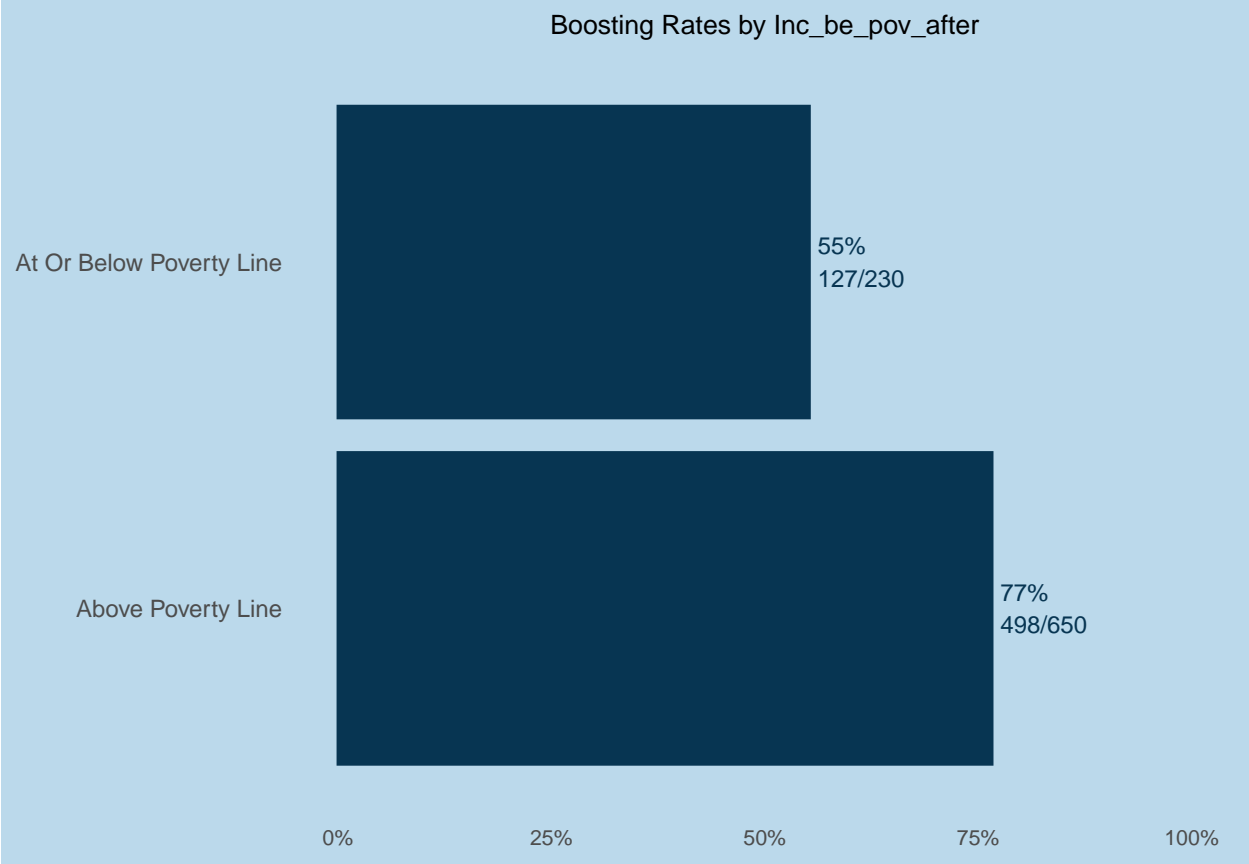
```
## $borough
## $borough$plot
```



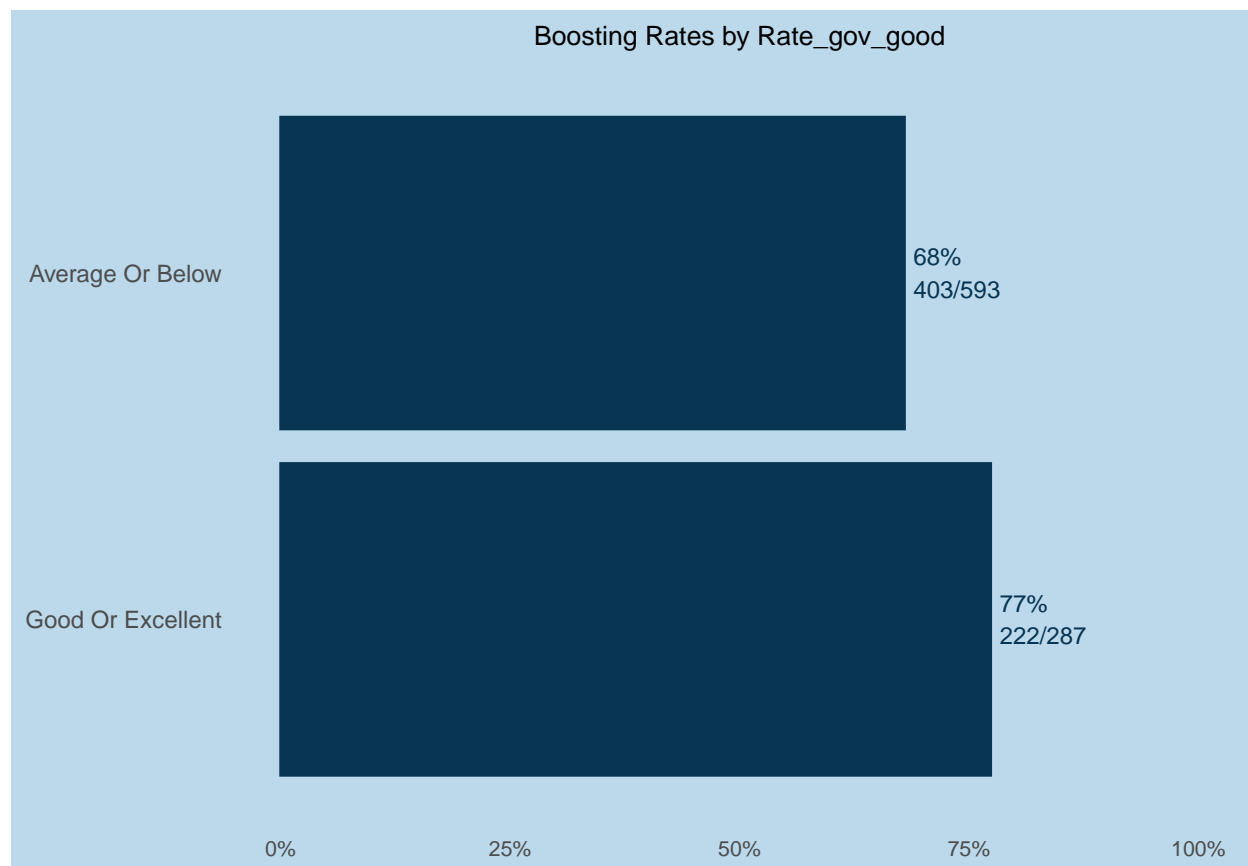
```
##
## $borough$p.values
##      si    bronx brooklyn  queens manhattan
## si      NA      NA      NA 0.06600      NA
## bronx    NA      NA 5.9e-02 0.01800 5.1e-12
## brooklyn  NA 5.9e-02      NA      NA 1.2e-05
## queens    0.066 1.8e-02      NA      NA 7.3e-04
## manhattan  NA 5.1e-12 1.2e-05 0.00073      NA
##
##
## $hh_ch_0_17_bi
## $hh_ch_0_17_bi$plot
```



```
##
## $hh_ch_0_17_bi$p.values
##           household with children household without children
## household with children              NA              1.7e-14
## household without children          1.7e-14              NA
##
##
## $inc_be_pov_after
## $inc_be_pov_after$plot
```



```
##
## $inc_be_pov_after$p.values
##               at or below poverty line above poverty line
## at or below poverty line                NA                1.3e-09
## above poverty line                    1.3e-09                NA
##
##
## $rate_gov_good
## $rate_gov_good$plot
```

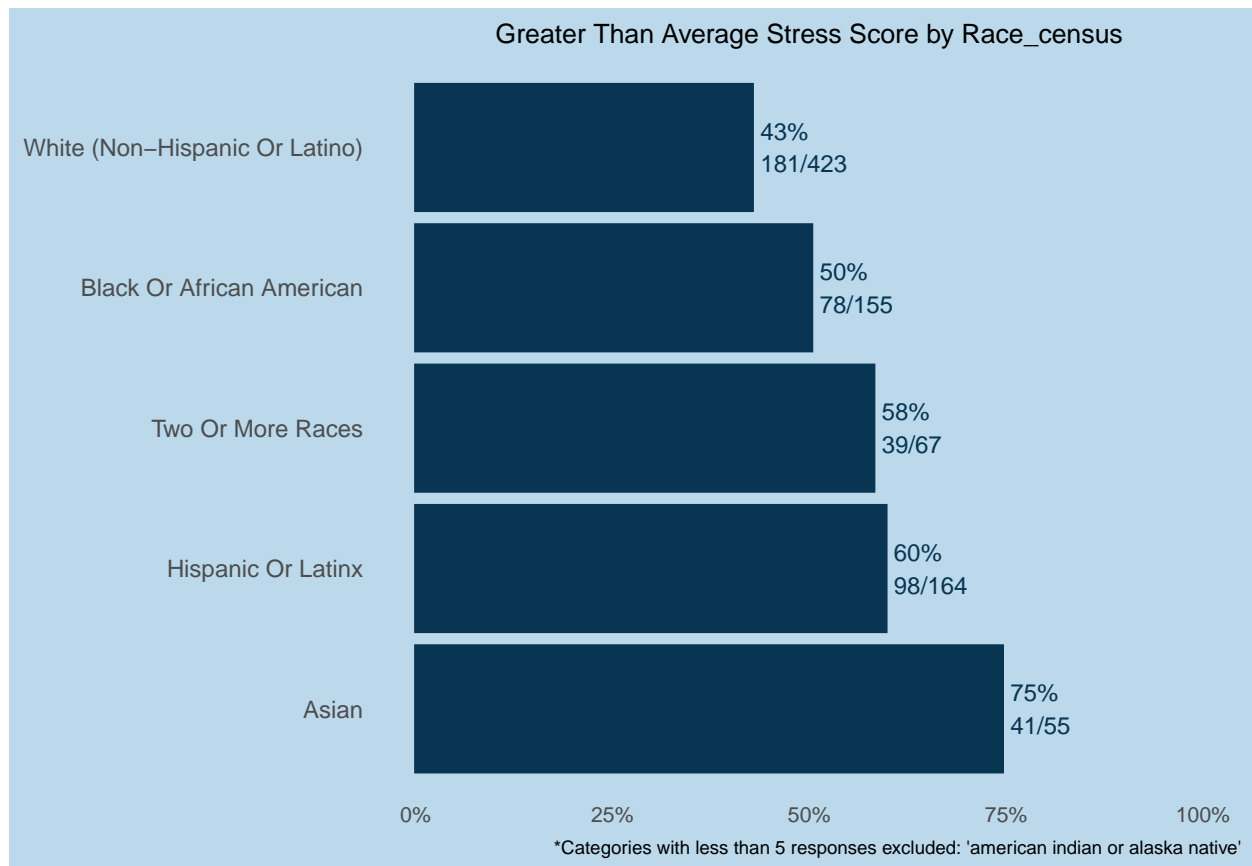


```
##
## $rate_gov_good$p.values
##           average or below good or excellent
## average or below           NA           0.0051
## good or excellent       0.0051           NA
```

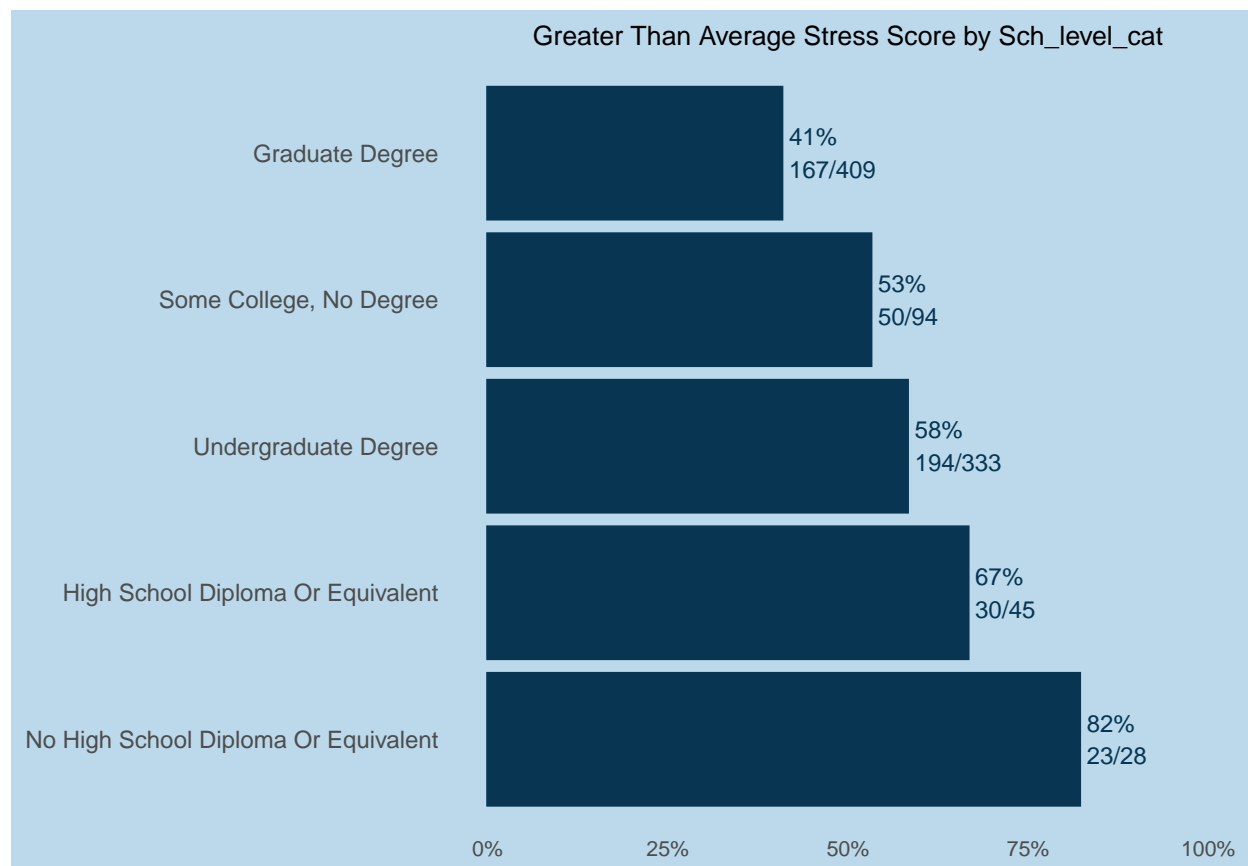
Average Stress Scores

```
make_plots(wrangled, c("race_census", "sch_level_cat"), "stress_bi",
            title = "Greater than average stress score")
```

```
## $race_census
## $race_census$plot
```



```
##
## $race_census$p.values
##               white (non-hispanic or latino)
## white (non-hispanic or latino)              NA
## black or african american                    NA
## two or more races                           2.6e-02
## hispanic or latinx                          3.2e-04
## asian                                       1.7e-05
##               black or african american two or more races
## white (non-hispanic or latino)              NA          0.026
## black or african american                    NA          NA
## two or more races                           NA          NA
## hispanic or latinx                          NA          NA
## asian                                       0.0031          0.089
##               hispanic or latinx   asian
## white (non-hispanic or latino)      0.00032 1.7e-05
## black or african american            NA 3.1e-03
## two or more races                    NA 8.9e-02
## hispanic or latinx                   NA 7.0e-02
## asian                               0.07000   NA
##
##
## $sch_level_cat
## $sch_level_cat$plot
```

```
##
## $sch_level_cat$p.values
##
## graduate degree some college, no degree
## graduate degree NA 0.039
## some college, no degree 3.9e-02 NA
## undergraduate degree 3.3e-06 NA
## high school diploma or equivalent 1.6e-03 NA
## no high school diploma or equivalent 4.7e-05 0.012
##
## undergraduate degree
## graduate degree 3.3e-06
## some college, no degree NA
## undergraduate degree NA
## high school diploma or equivalent NA
## no high school diploma or equivalent 2.3e-02
##
## high school diploma or equivalent
## graduate degree 0.0016
## some college, no degree NA
## undergraduate degree NA
## high school diploma or equivalent NA
## no high school diploma or equivalent NA
##
## no high school diploma or equivalent
## graduate degree 4.7e-05
## some college, no degree 1.2e-02
## undergraduate degree 2.3e-02
## high school diploma or equivalent NA
## no high school diploma or equivalent NA
```