

poa_safety

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Summary

Felt unsafe appears to be capturing the opposite of worried about discrimination

5.1) People who experienced or worried about discrimination due to the pandemic [30]

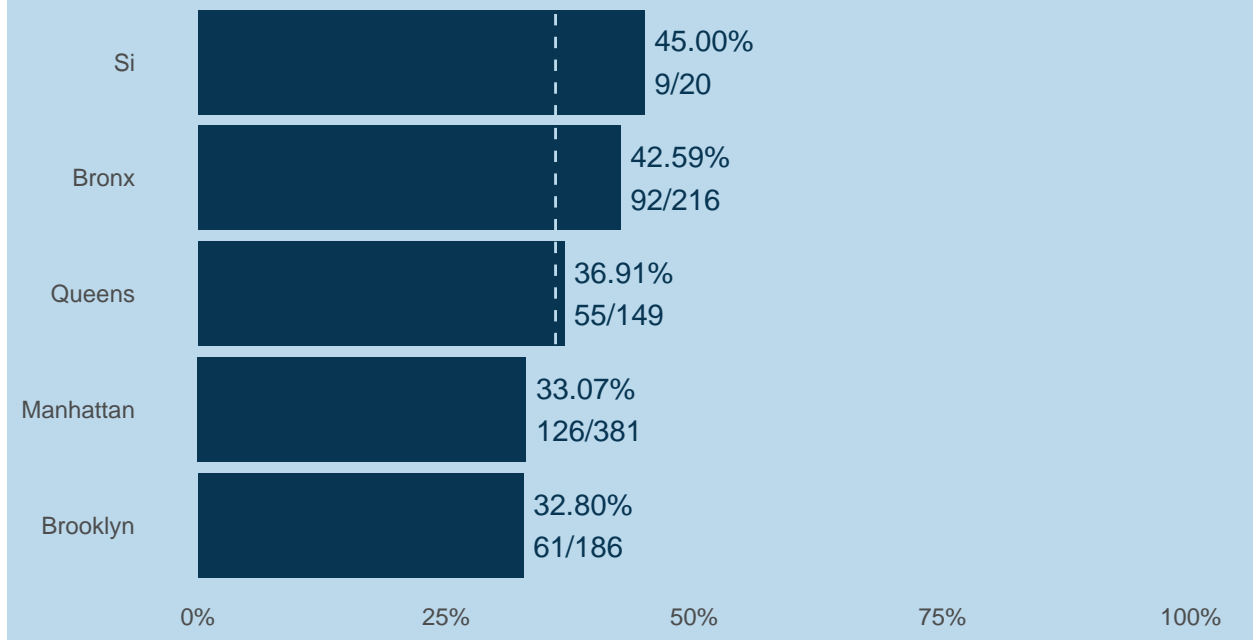
Run distribution over population Run distribution by sub-demographics (a-k) Compare and find gaps (test unequal proportions)

```
mean_val = mean(wrangled$discrim_bi, na.rm = TRUE)
make_plots(wrangled, demographics, "discrim_bi", title = "Percent Respondents who experienced or\nworried about discrimination")

## $borough
```

Percent Respondents Who Experienced Or Worried About Discrimination Due To The Pandemic by Borough

bronx & brooklyn p-value: 0.056
bronx & manhattan p-value: 0.026

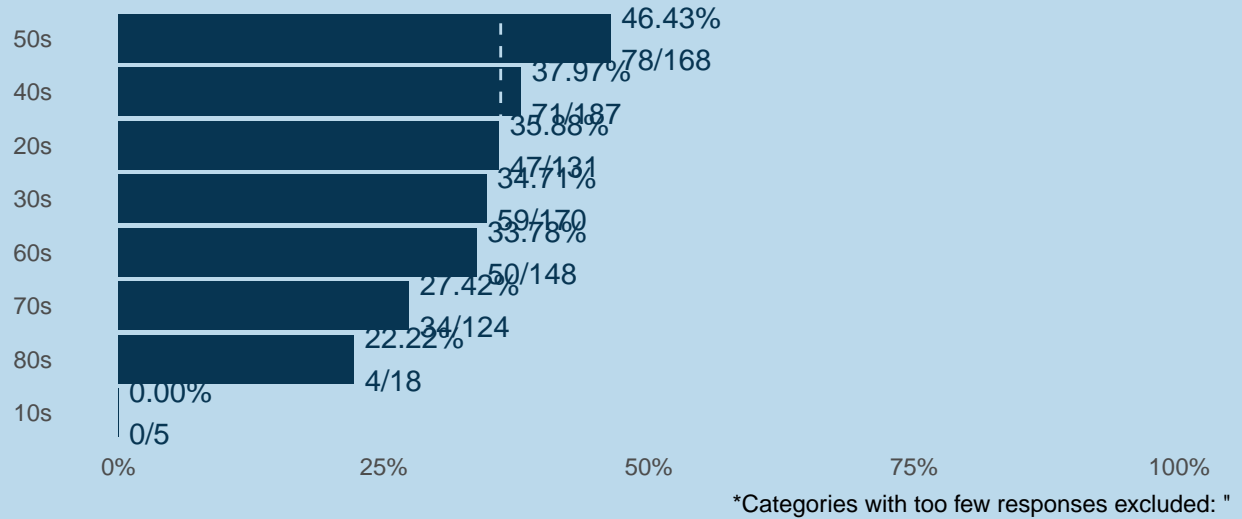


##

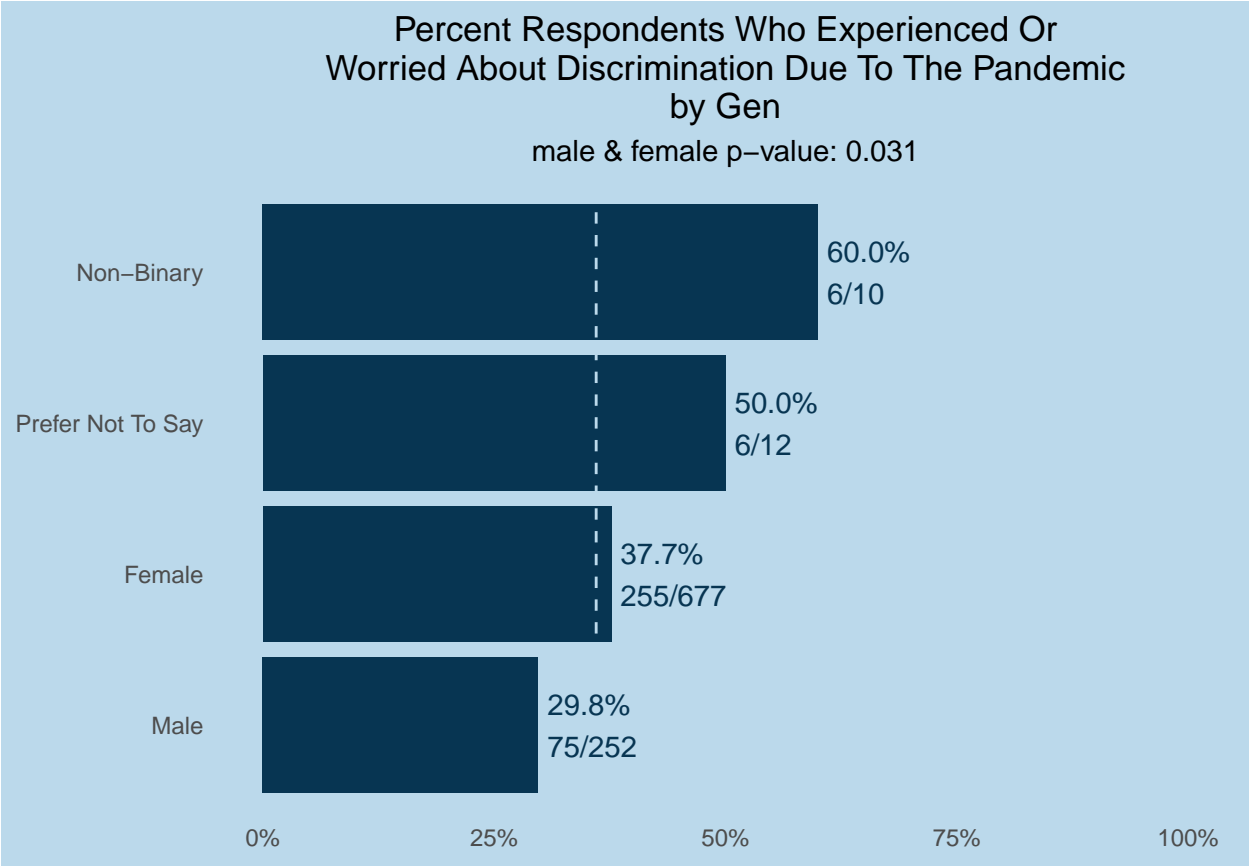
\$decade

Percent Respondents Who Experienced Or Worried About Discrimination Due To The Pandemic by Decade

20s & 50s p-value: 0.086
 30s & 50s p-value: 0.037
 40s & 70s p-value: 0.071
 50s & 60s p-value: 0.03
 50s & 70s p-value: 0.0015
 50s & 80s p-value: 0.086



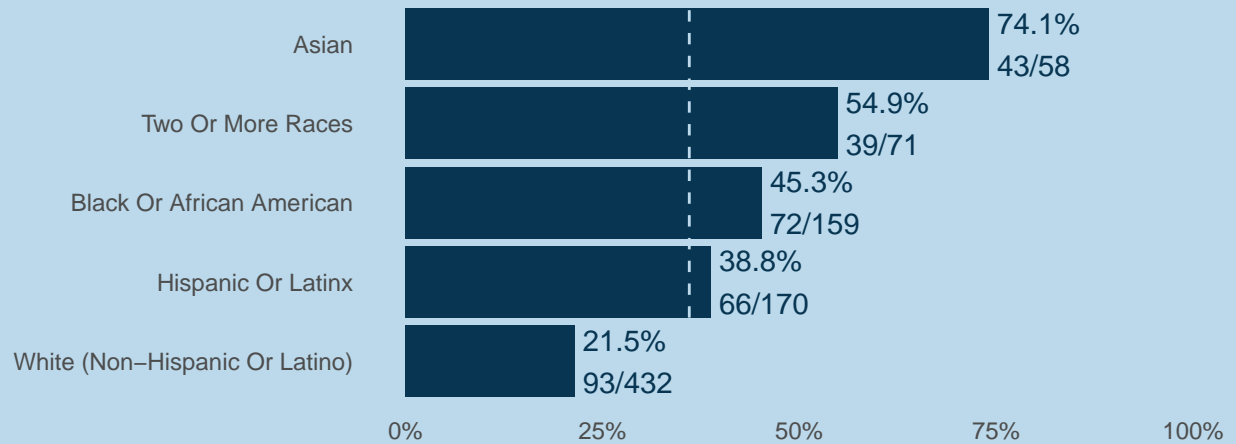
 ## \$gen



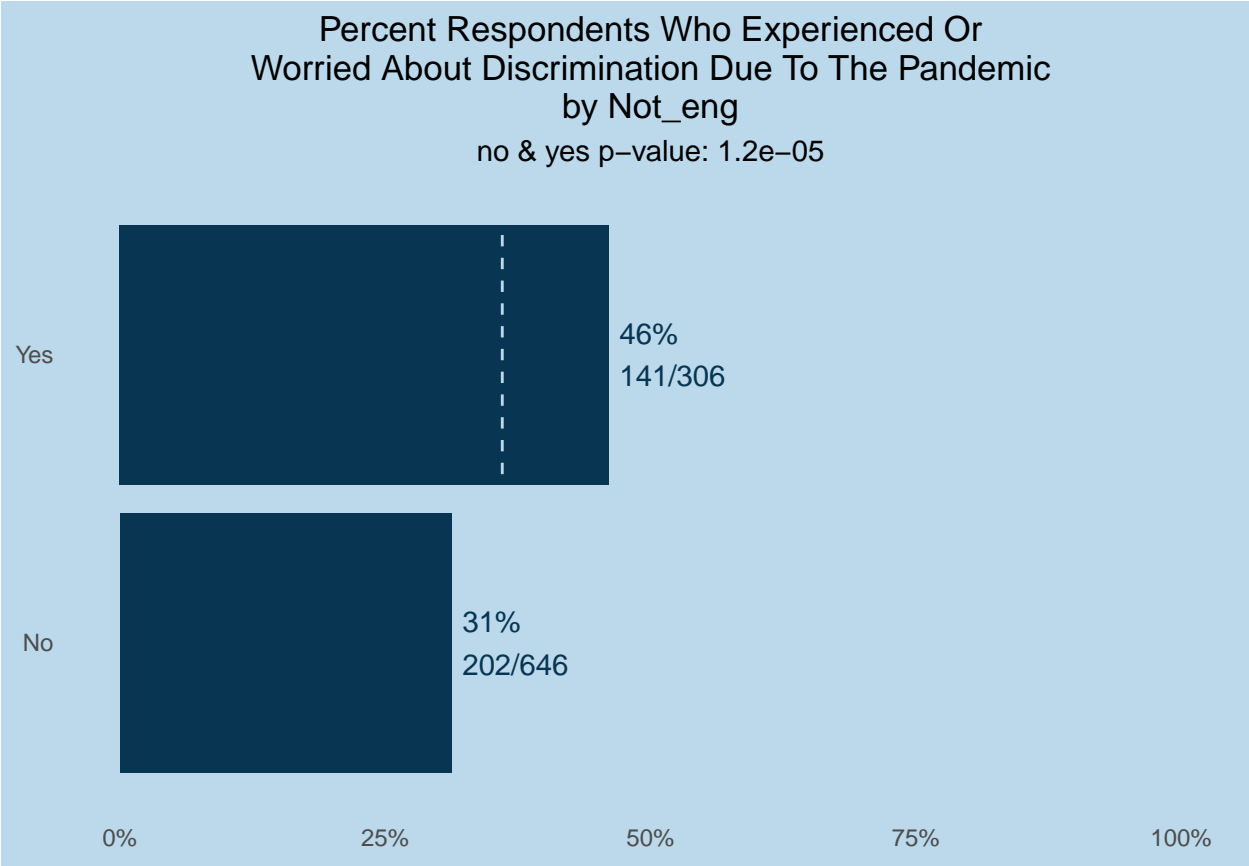
\$race_census

Percent Respondents Who Experienced Or Worried About Discrimination Due To The Pandemic by Race_census

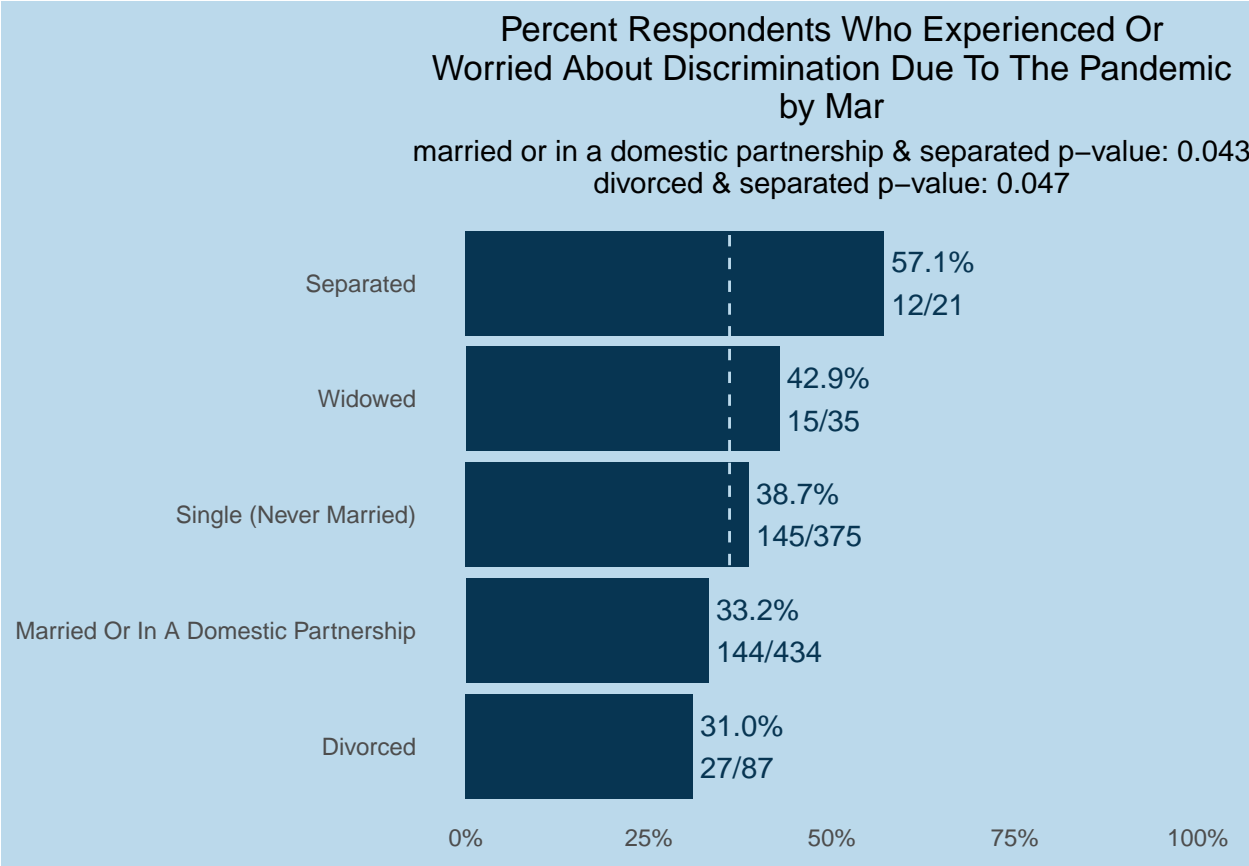
asian & black or african american p-value: 3e-04
 asian & hispanic or latinx p-value: 6.9e-06
 asian & two or more races p-value: 0.038
 asian & white (non-hispanic or latino) p-value: 1.6e-16
 black or african american & white (non-hispanic or latino) p-value: 2.1e-05
 hispanic or latinx & two or more races p-value: 0.031
 hispanic or latinx & white (non-hispanic or latino) p-value: 2.3e-05
 two or more races & white (non-hispanic or latino) p-value: 7.3e-09



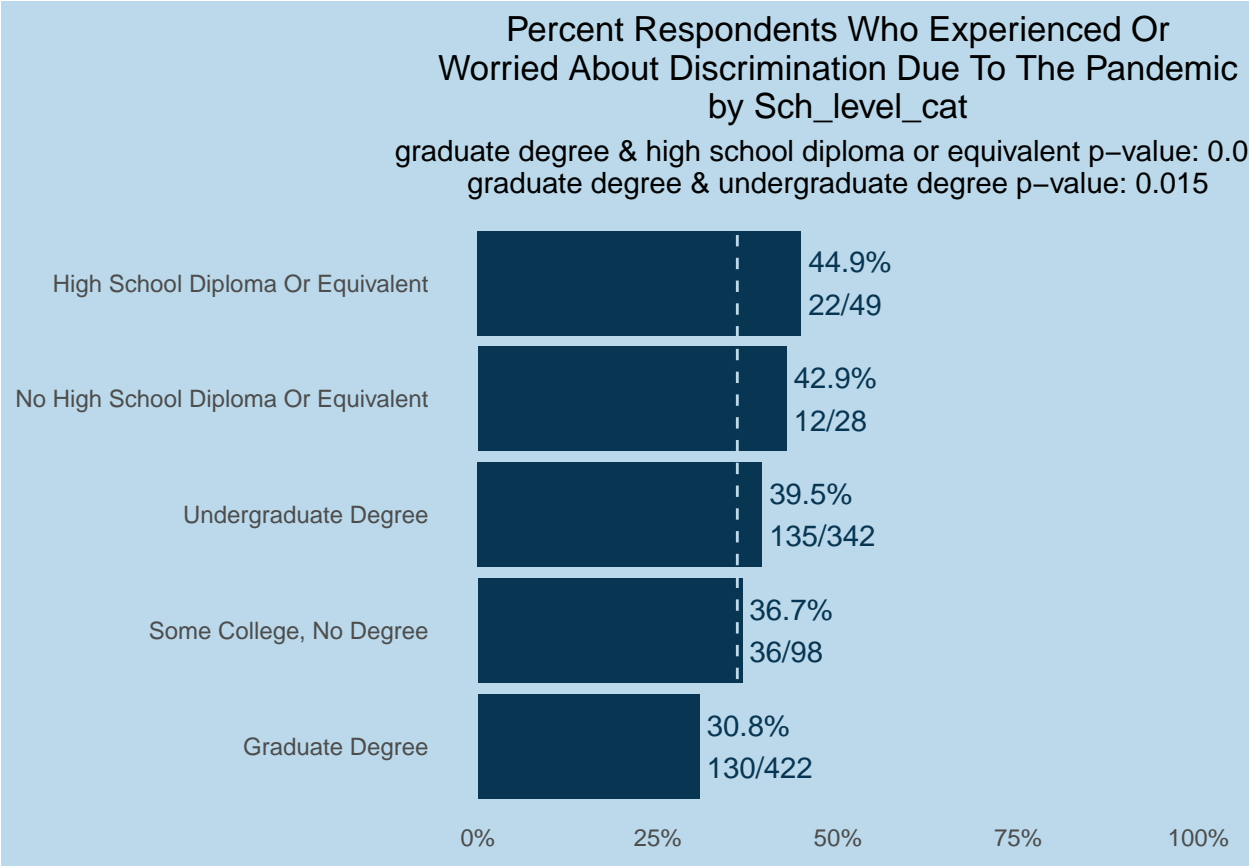
 ## \$not_eng



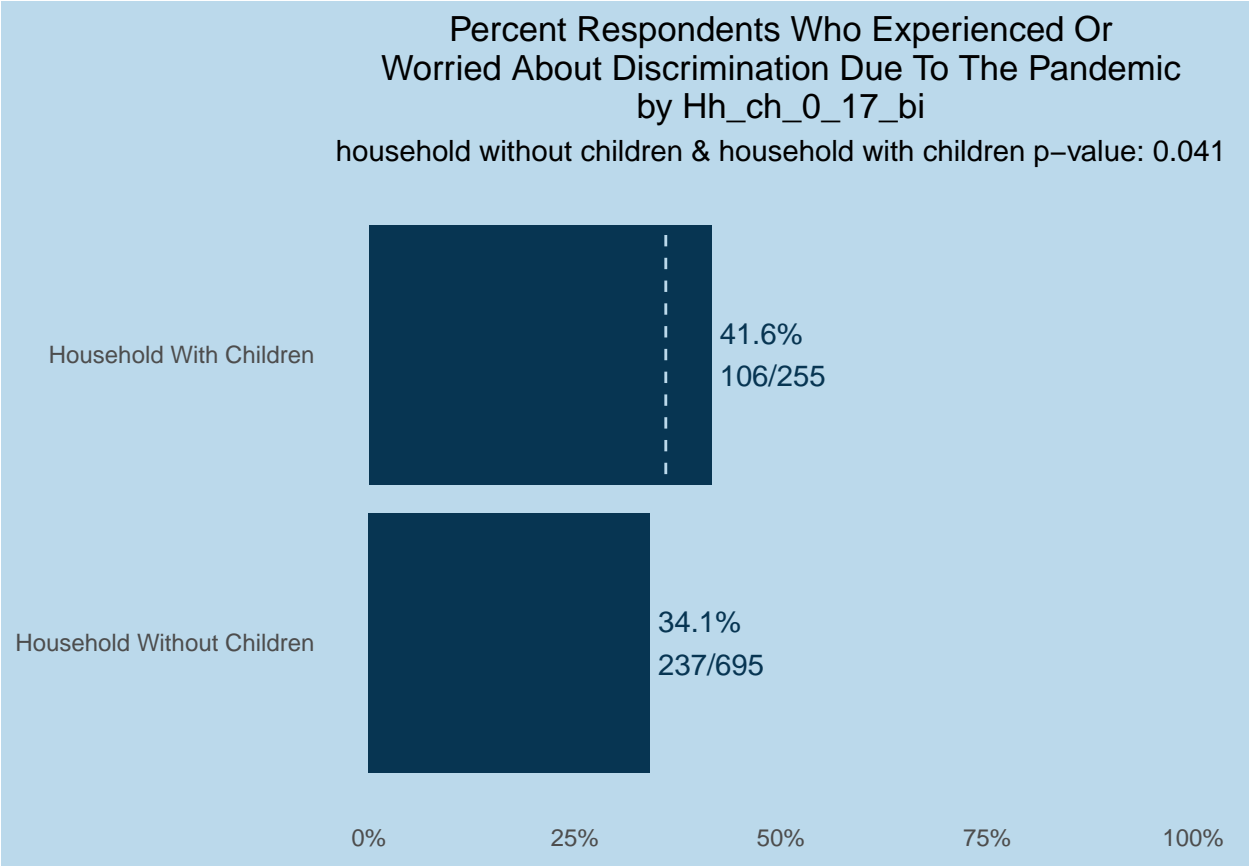
\$mar



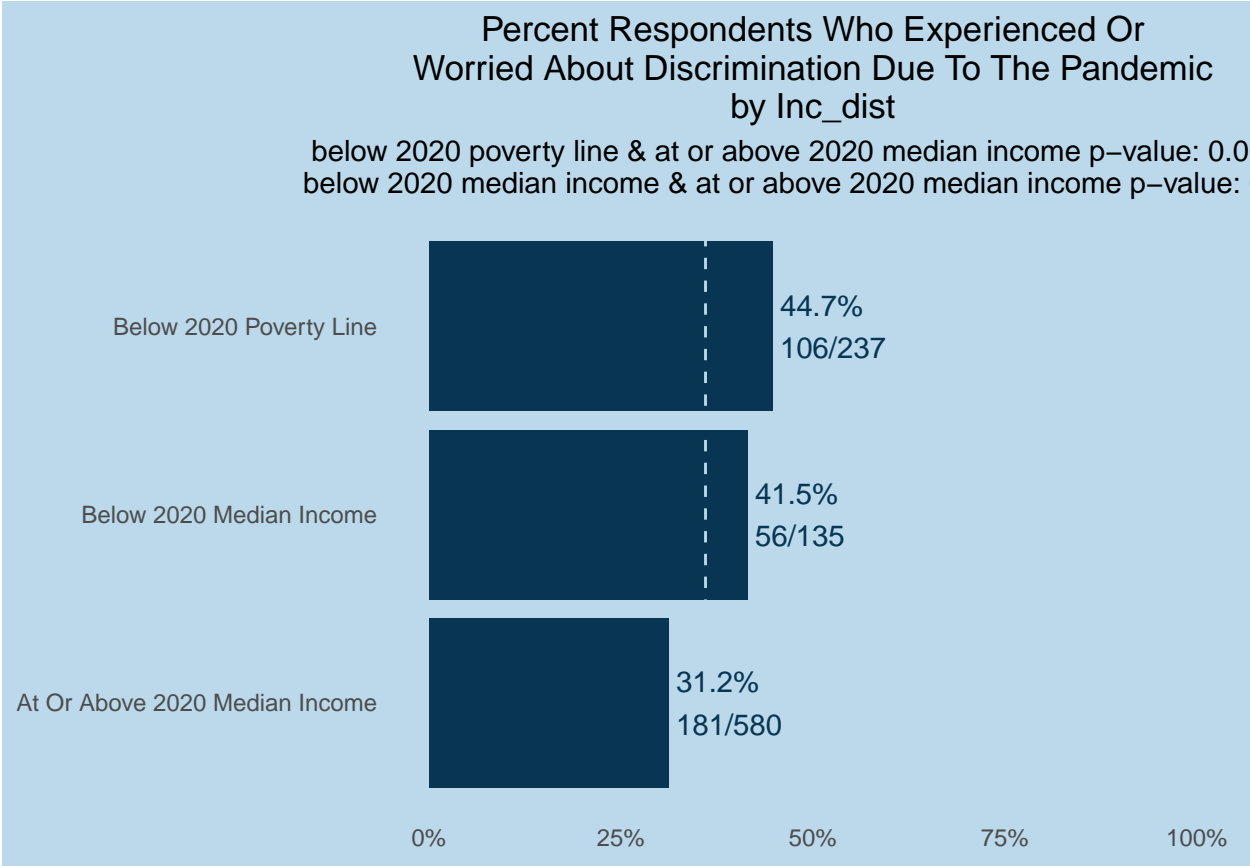
```
##  
## $sch_level_cat
```



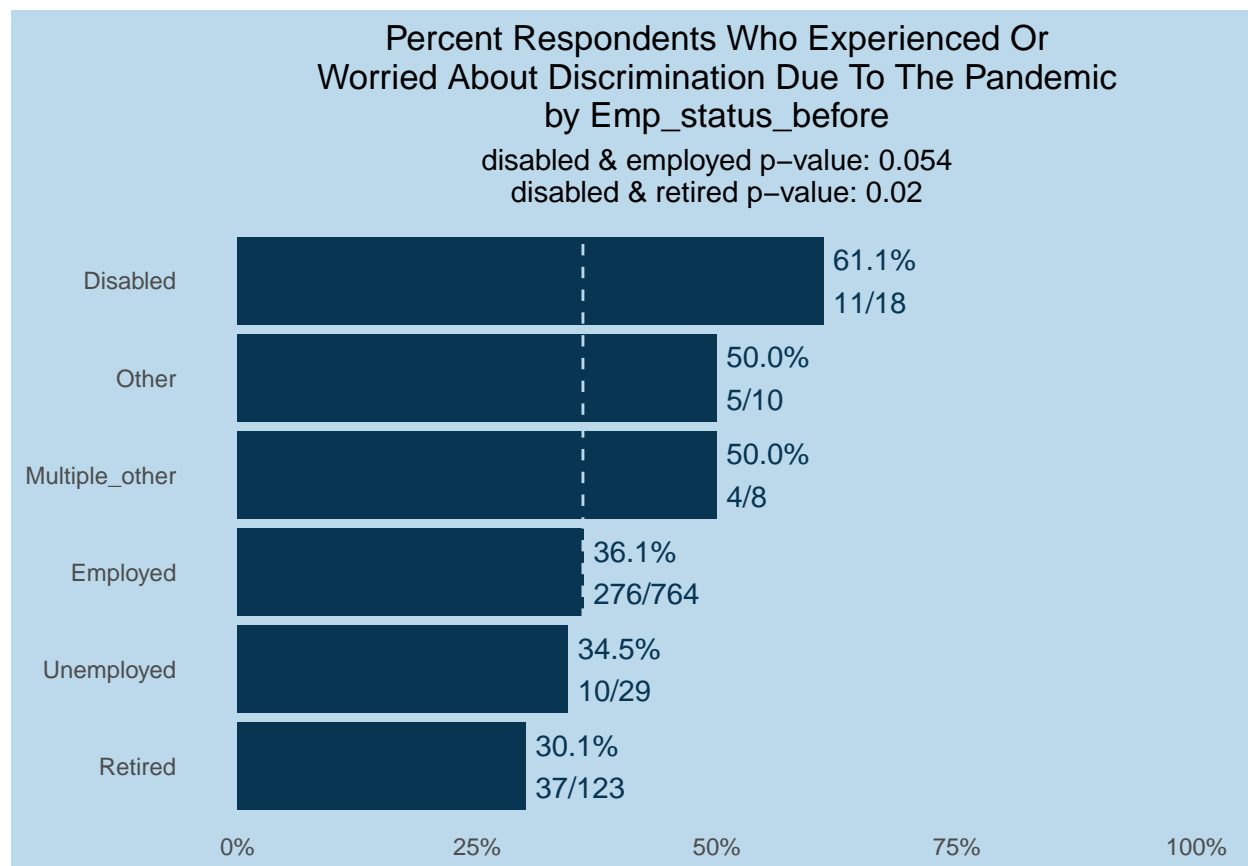
\$hh_ch_0_17_bi



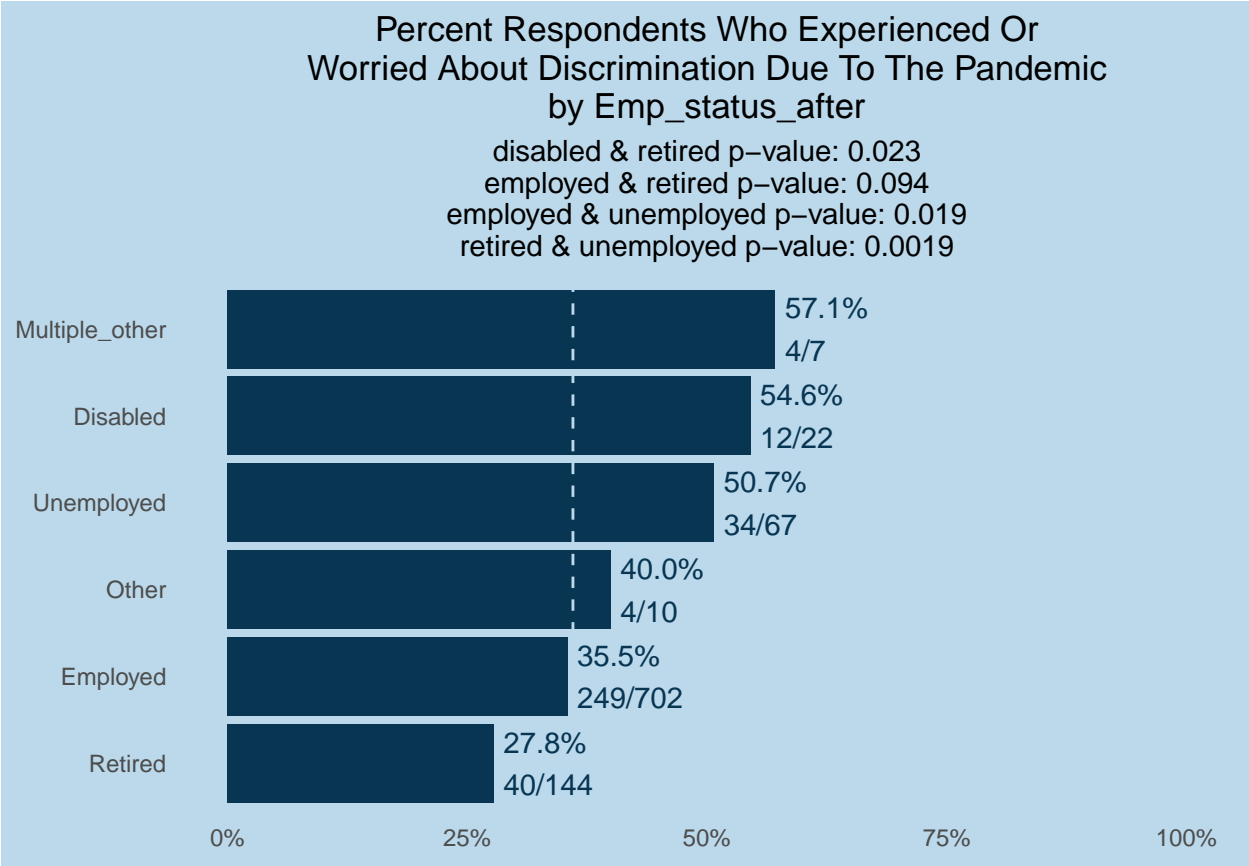
```
##  
## $hh_65_bi  
## NULL  
##  
## $inc_dist
```



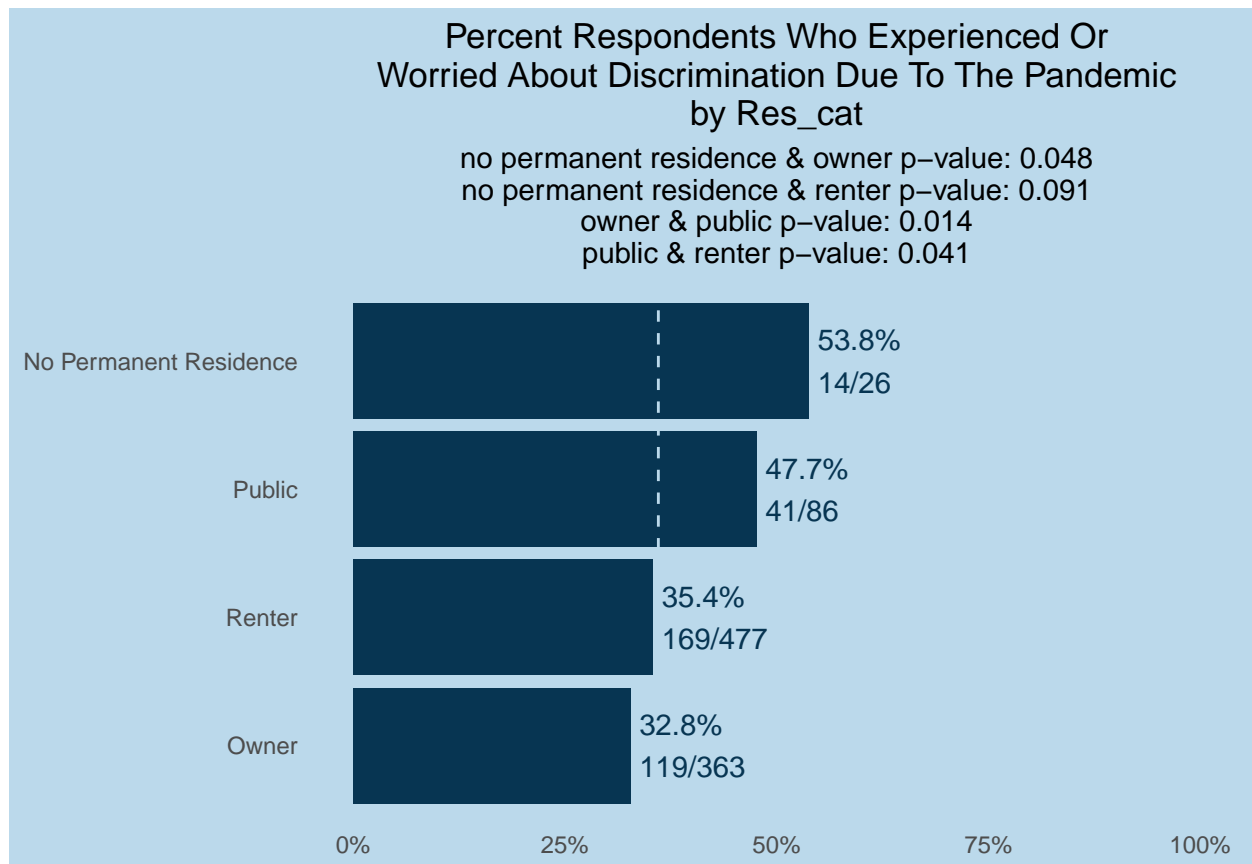
```
##  
## $emp_status_before
```



```
##
## $emp_status_after
```



```
##  
## $res_cat
```



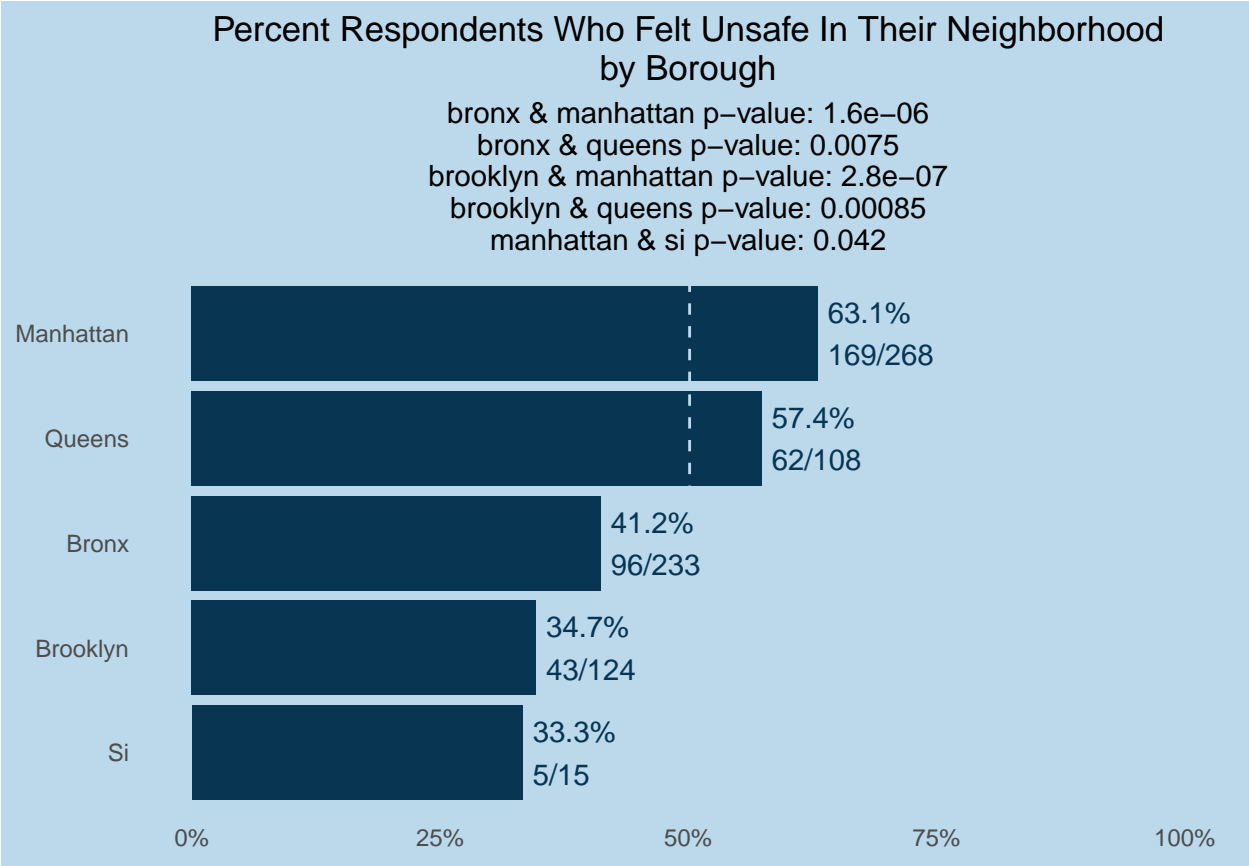
5.2) People who felt unsafe in their neighborhood in the past six months [17] Run distribution over population Run distribution by sub-demographics (a-m) Compare and find gaps (test unequal proportions) 5.3) Respondents who have a low income (below median income) are more likely to experience violence [12 & 13] Find proportion who faced discrimination or violence [34] Find subset who are below median income [13] Compare and contrast with group who are above median income within the larger proportion

```
mean(wrangled$diff_neigh, na.rm = TRUE)
```

```
## [1] 0.5013369
```

```
make_plots(wrangled, demographics, "diff_neigh", title = "Percent Respondents Who Felt Unsafe in their n
```

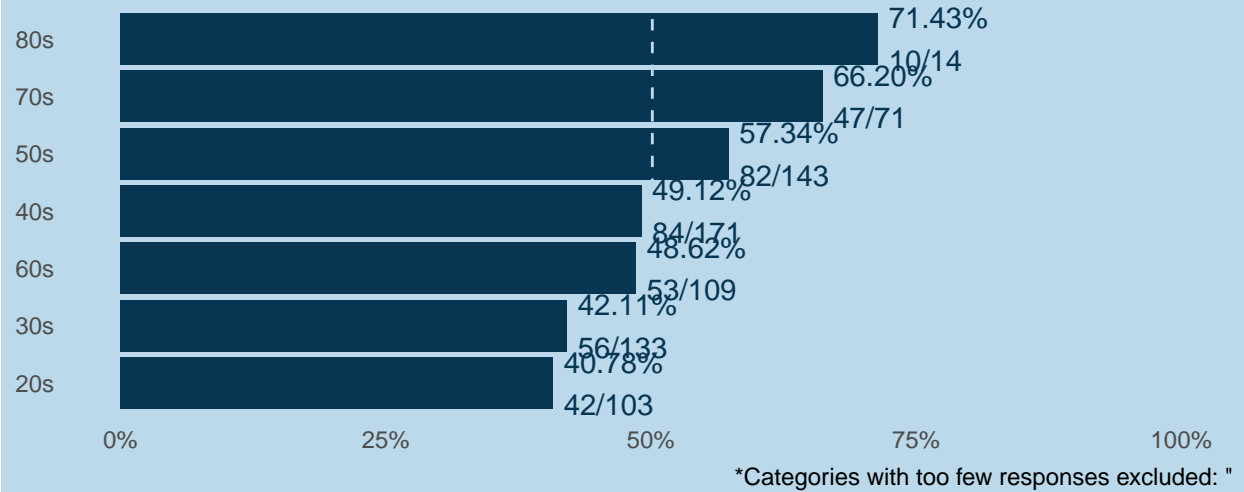
```
## $borough
```



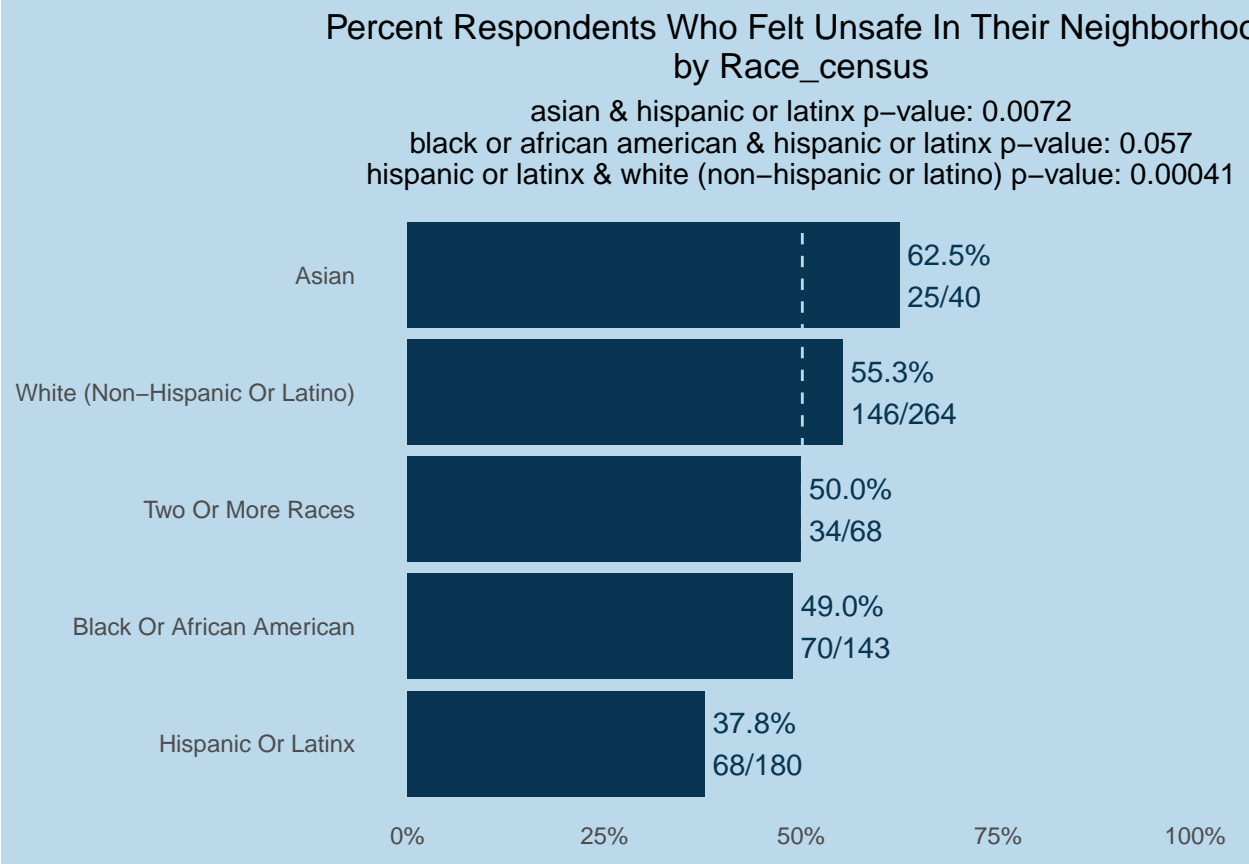
\$decade

Percent Respondents Who Felt Unsafe In Their Neighborhood by Decade

20s & 50s p-value: 0.015
 20s & 70s p-value: 0.0017
 20s & 80s p-value: 0.06
 30s & 50s p-value: 0.016
 30s & 70s p-value: 0.0017
 30s & 80s p-value: 0.069
 40s & 70s p-value: 0.022
 60s & 70s p-value: 0.03



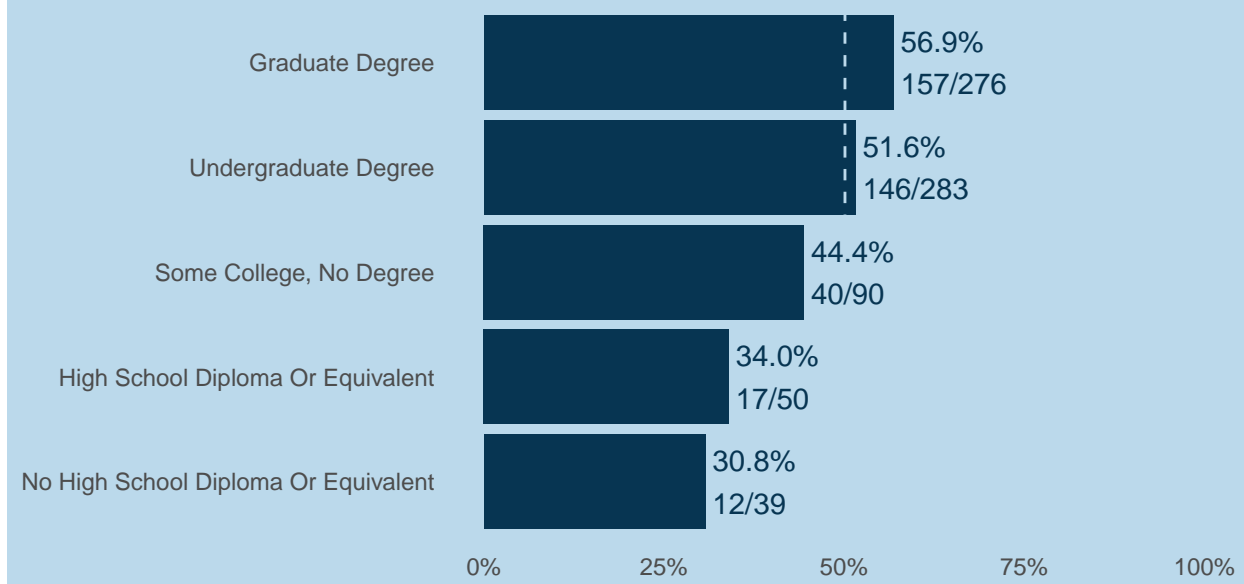
```
##
## $gen
## NULL
##
## $race_census
```



```
##  
## $not_eng  
## NULL  
##  
## $mar  
## NULL  
##  
## $sch_level_cat
```

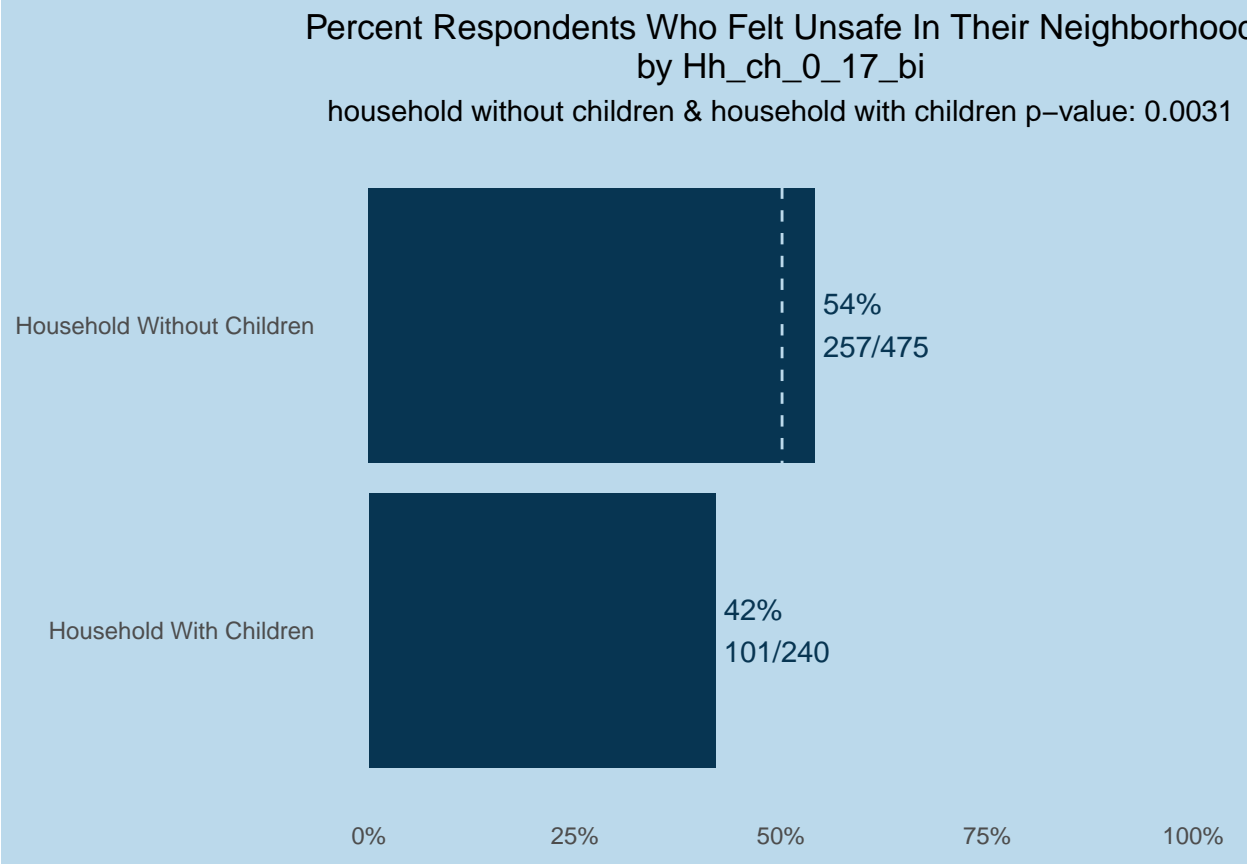

Percent Respondents Who Felt Unsafe In Their Neighborhood by Sch_level_cat

graduate degree & high school diploma or equivalent p-value: 0.00
graduate degree & no high school diploma or equivalent p-value: 0.00
graduate degree & some college, no degree p-value: 0.053
high school diploma or equivalent & undergraduate degree p-value: 0.00
no high school diploma or equivalent & undergraduate degree p-value: 0.00

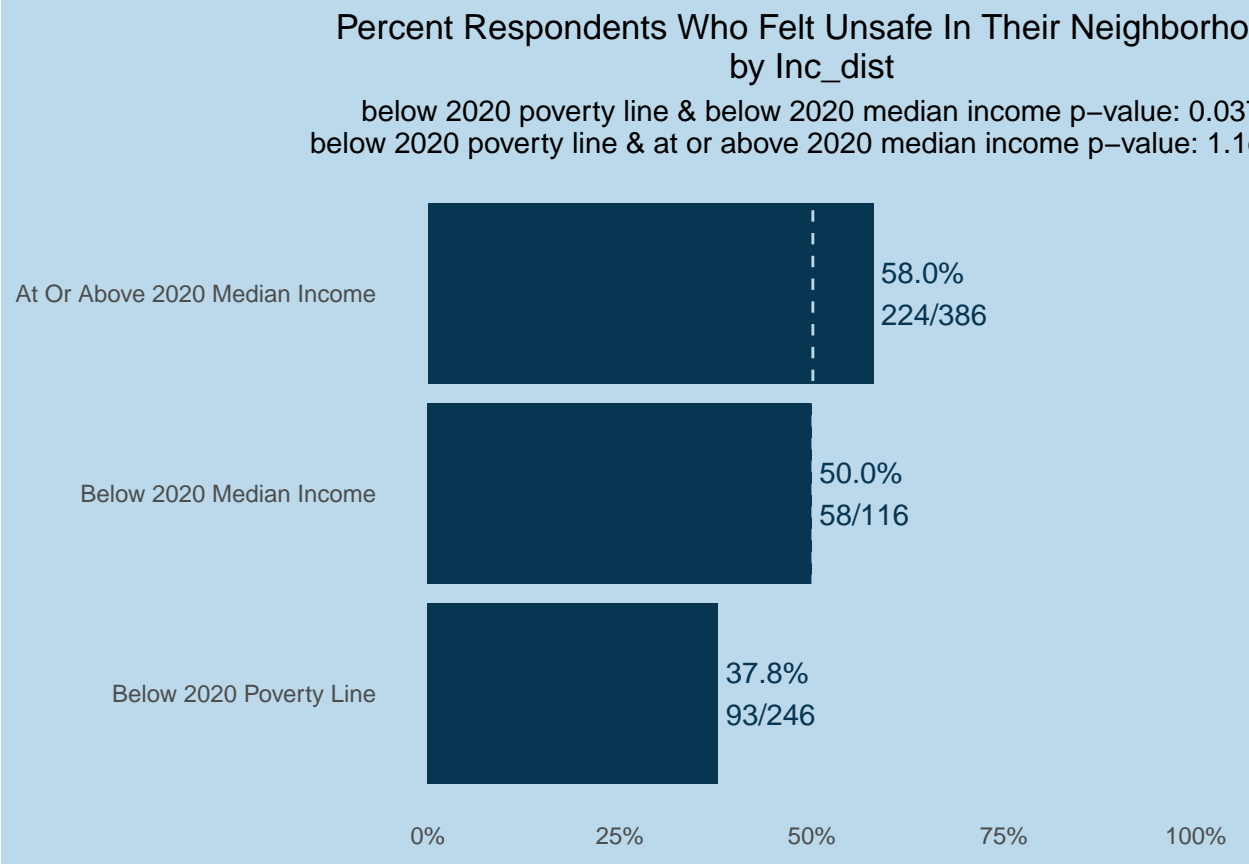


##

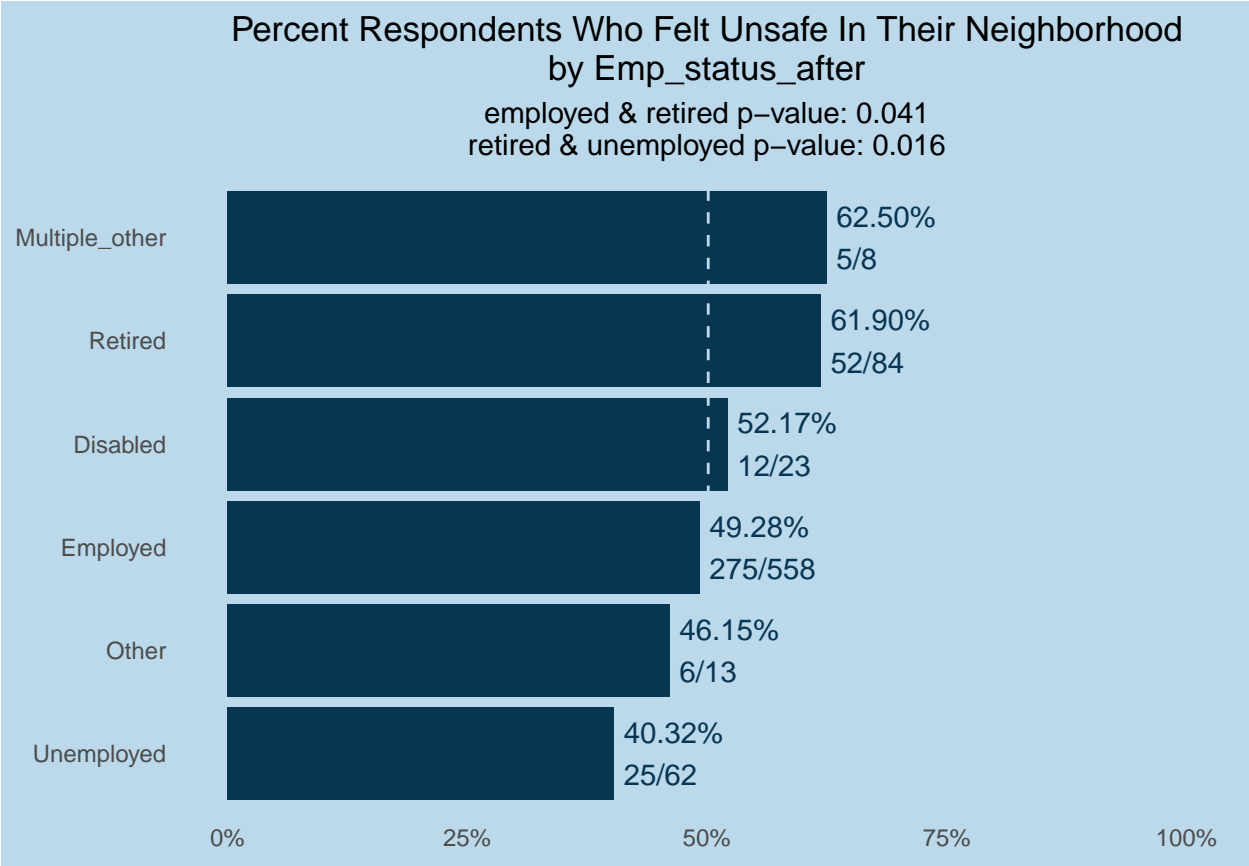
\$hh_ch_0_17_bi



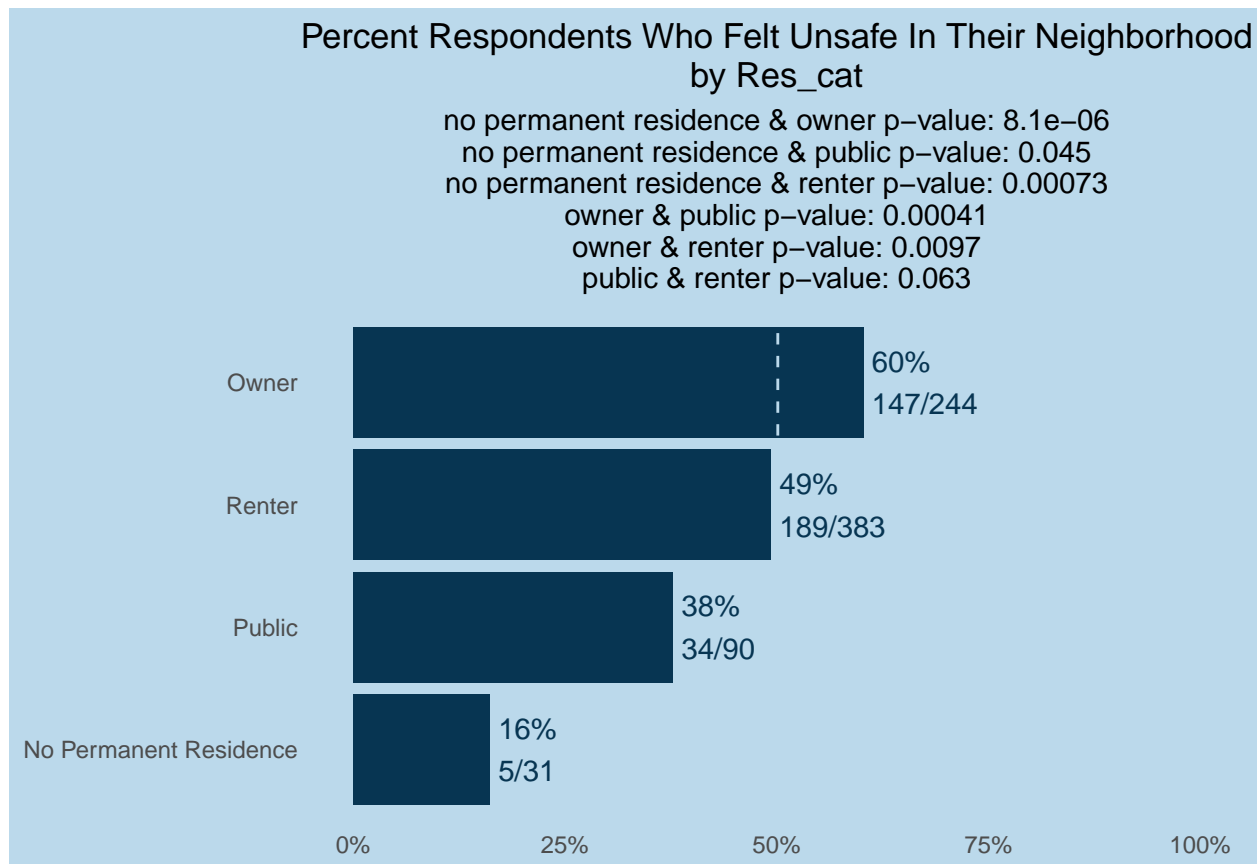
```
##  
## $hh_65_bi  
## NULL  
##  
## $inc_dist
```



```
##
## $emp_status_before
## NULL
##
## $emp_status_after
```



```
##  
## $res_cat
```



5.4) Respondents who are homemakers are more likely to experience verbal abuse and physical violence since the pandemic started [14, 15, 34, 35]

Find proportion of respondents who faced discrimination or violence when homemakers before [14] compared to after [15] the pandemic Compare proportion of respondents who experienced violence and were homemakers before but not after, with those who were homemakers after but not before Compare homemakers to nonhomemakers Run on subdemographics (a-m)

```
wrangled %>% count(emp_before_hm, emp_after_hm, exp_ab_and_vi)
```

```
## # A tibble: 11 x 4
##   emp_before_hm emp_after_hm exp_ab_and_vi n
##   <int+lbl>      <int+lbl>      <int+lbl> <int>
## 1 0 [not homemaker] 0 [not homemaker] 0 [didn't experience both verbal ~ 895
## 2 0 [not homemaker] 0 [not homemaker] 1 [experienced both verbal abuse ~ 16
## 3 0 [not homemaker] 0 [not homemaker] NA 139
## 4 0 [not homemaker] 1 [homemaker] 0 [didn't experience both verbal ~ 7
## 5 0 [not homemaker] 1 [homemaker] 1 [experienced both verbal abuse ~ 1
## 6 0 [not homemaker] 1 [homemaker] NA 5
## 7 1 [homemaker] 0 [not homemaker] 0 [didn't experience both verbal ~ 6
## 8 1 [homemaker] 0 [not homemaker] NA 5
## 9 1 [homemaker] 1 [homemaker] 0 [didn't experience both verbal ~ 26
```

```
## 10 1 [homemaker]      1 [homemaker]      1 [experienced both verbal abuse ~ 1
## 11 1 [homemaker]      1 [homemaker]      NA                                4
```

5.5) Respondents in the gig economy are more worried about safety, from covid-19 [26a, 41]

Find proportion of respondents who were in the gig economy and those who are not Find subset who are worried about covid-19 generally [26a] or about delta variants [41] Compare proportion who are gig economy with those who are not

```
wrangled %>% count(emp_before_gig, emp_after_gig, vrnts_bi)
```

```
## # A tibble: 10 x 4
##               emp_before_gig emp_after_gig vrnts_bi      n
##               <int+lbl>      <int+lbl> <int+lb> <int>
## 1 0 [not gig worker (uber, lyft, instacart, etc.]] 0 [not gig w~ 0 [som~ 454
## 2 0 [not gig worker (uber, lyft, instacart, etc.]] 0 [not gig w~ 1 [ver~ 453
## 3 0 [not gig worker (uber, lyft, instacart, etc.]] 0 [not gig w~ NA      182
## 4 0 [not gig worker (uber, lyft, instacart, etc.]] 1 [gig worke~ 0 [som~ 1
## 5 0 [not gig worker (uber, lyft, instacart, etc.]] 1 [gig worke~ 1 [ver~ 3
## 6 1 [gig worker (uber, lyft, instacart, etc.]]    0 [not gig w~ 0 [som~ 3
## 7 1 [gig worker (uber, lyft, instacart, etc.]]    0 [not gig w~ 1 [ver~ 5
## 8 1 [gig worker (uber, lyft, instacart, etc.]]    1 [gig worke~ 0 [som~ 2
## 9 1 [gig worker (uber, lyft, instacart, etc.]]    1 [gig worke~ 1 [ver~ 1
## 10 1 [gig worker (uber, lyft, instacart, etc.]]   1 [gig worke~ NA      1
```

```
make_plots(wrangled, "emp_before_gig", "vrnts_bi")
```

```
## $emp_before_gig
## NULL
```

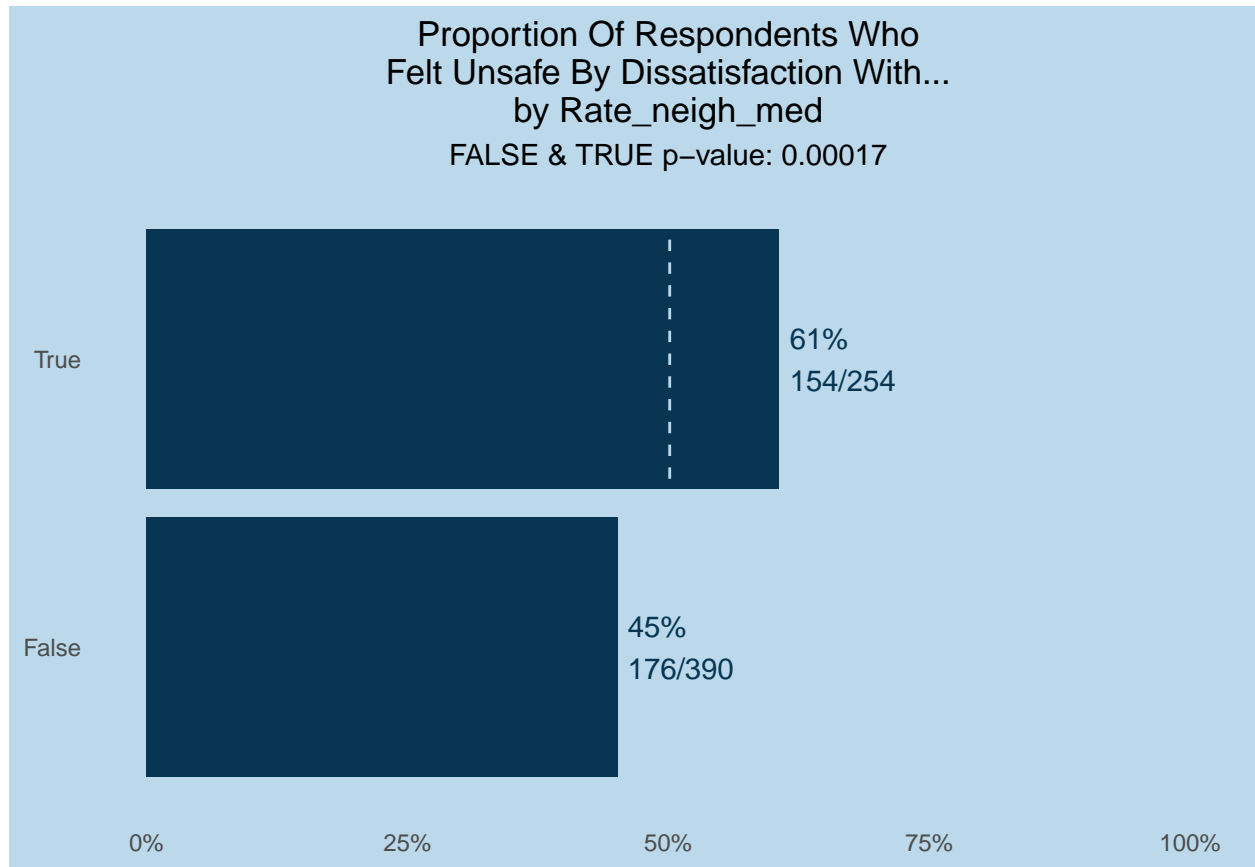
5.6) Respondents who felt unsafe in their neighborhoods were dissatisfied with other community services [32]

Find proportion of respondents who felt unsafe in their neighborhood [17] Run binary distribution of who did and did not feel unsafe over the following categories from question 32: Emergency medical services Maintenance of parks and recreational facilities Police responsiveness to calls or complaints Prevents of local crime / safety Group respondents by whether or not they were dissatisfied with one of the above four listed neighborhood services Compare those who did and did not feel unsafe

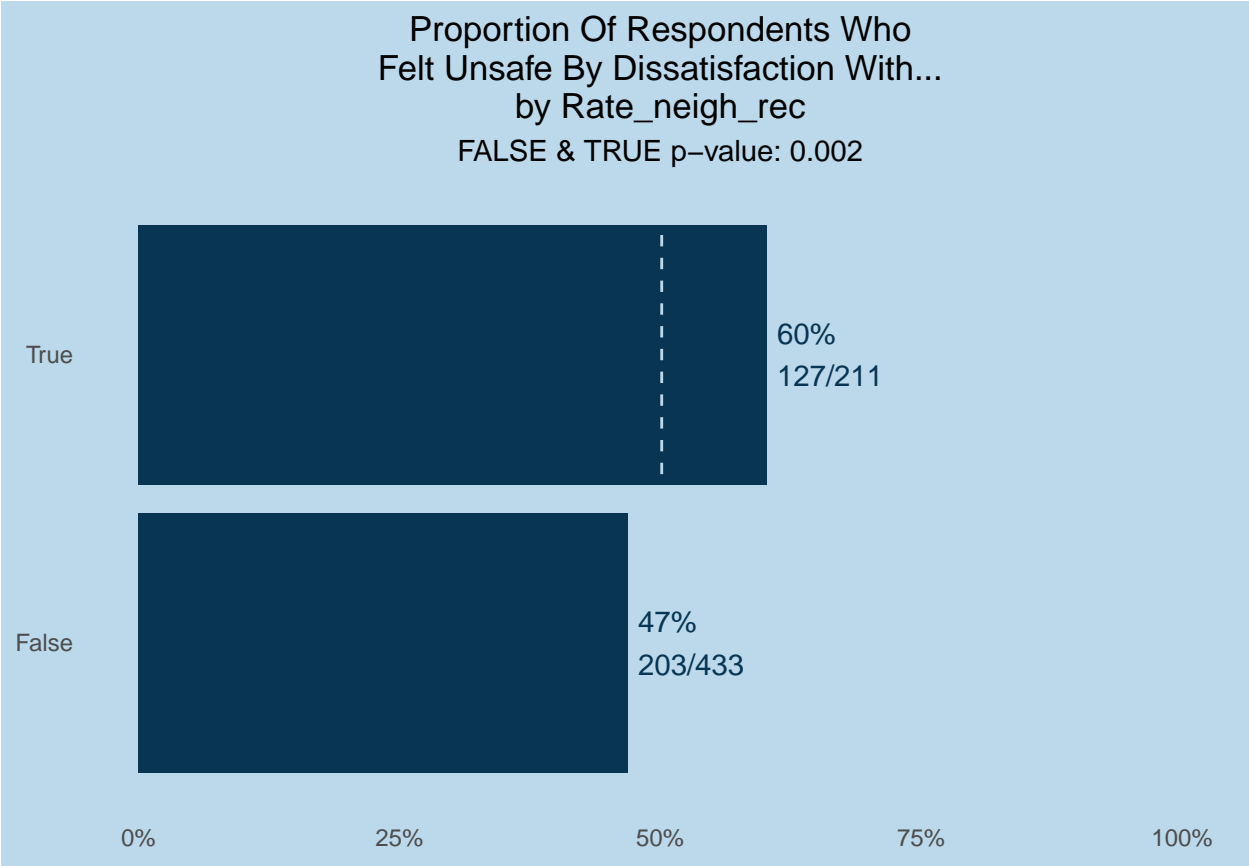
```
q34 <- c("rate_neigh_med", "rate_neigh_rec", "rate_neigh_pol", "rate_neigh_pre")
make_plots(wrangled %>% mutate(across(q34, ~.>3)), q34, "diff_neigh",
           title = "Proportion of Respondents who\nFelt Unsafe by Dissatisfaction with...")
```

```
## Note: Using an external vector in selections is ambiguous.
## i Use 'all_of(q34)' instead of 'q34' to silence this message.
## i See <https://tidyselect.r-lib.org/reference/faq-external-vector.html>.
## This message is displayed once per session.
```

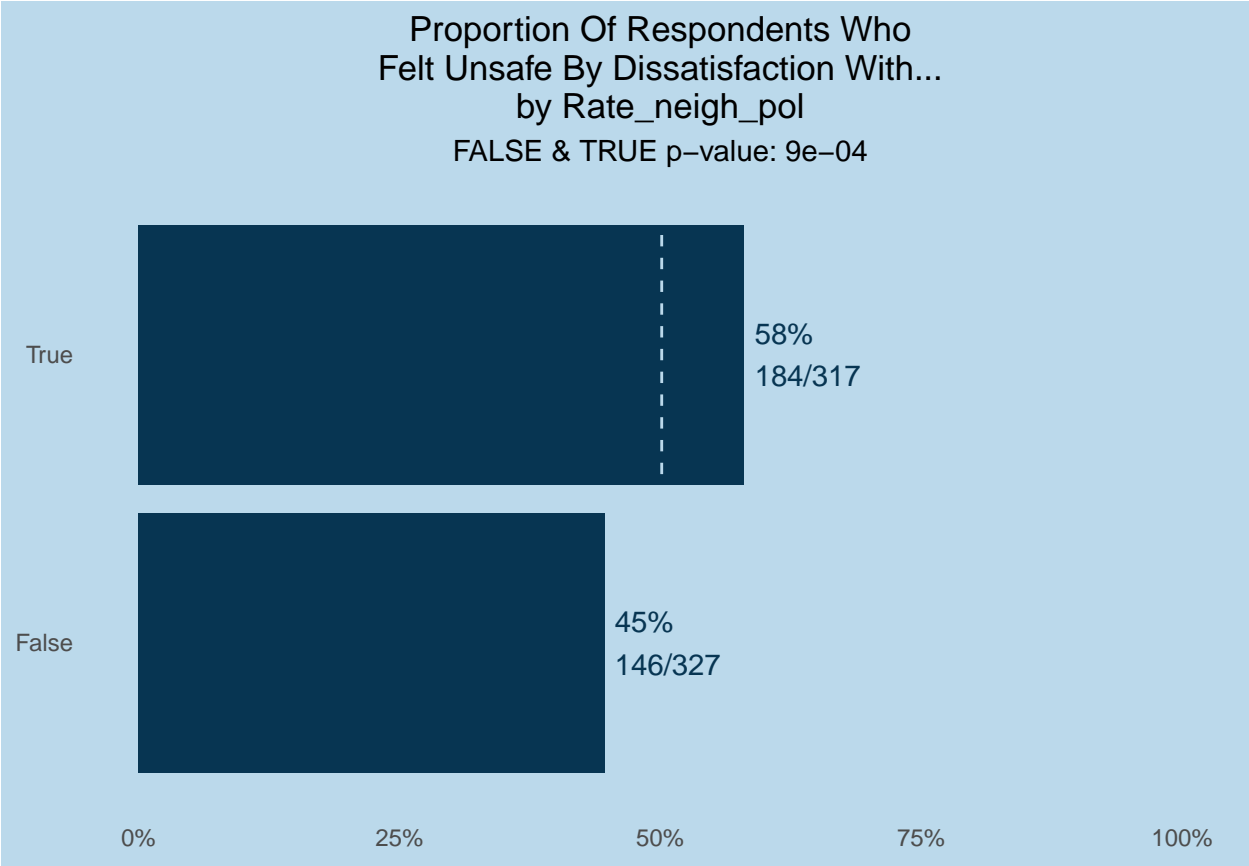
```
## $rate_neigh_med
```



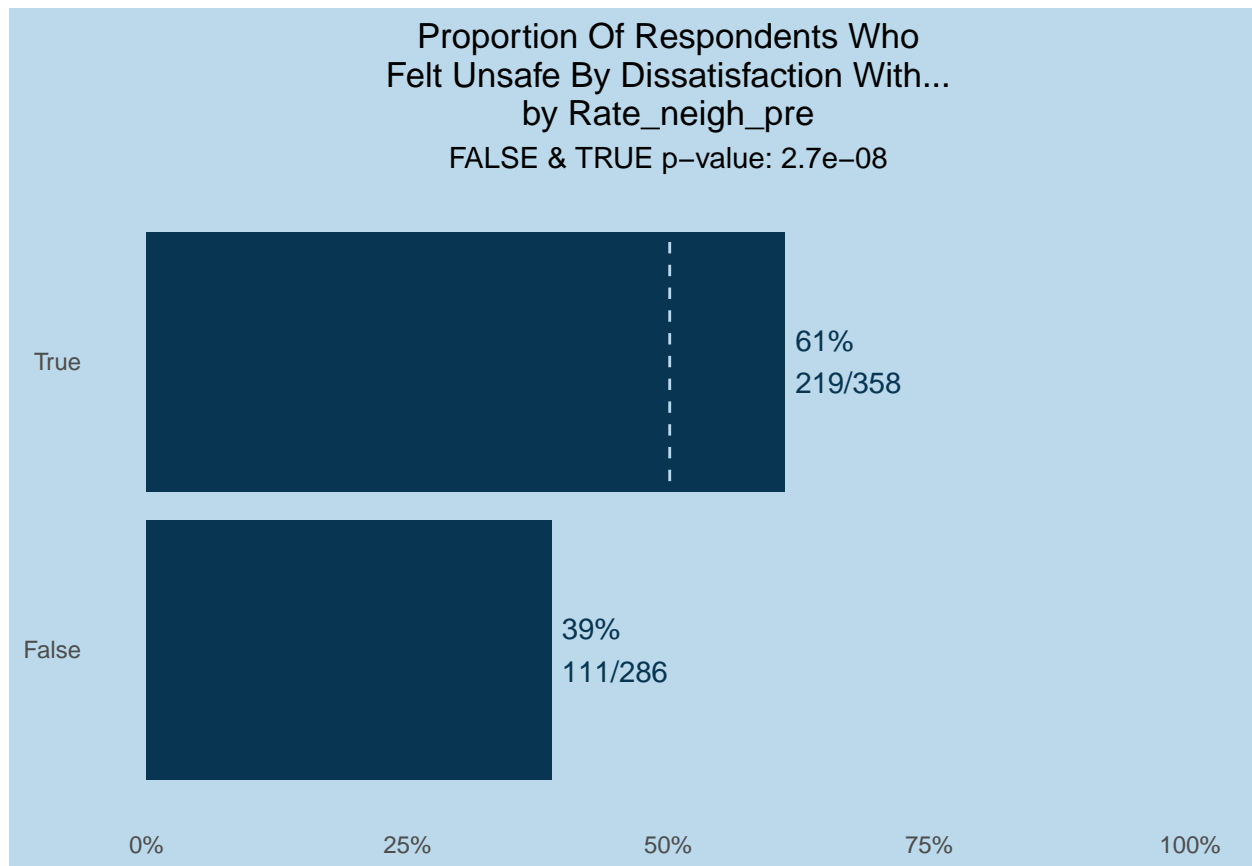
```
##  
## $rate_neigh_rec
```



```
##  
## $rate_neigh_pol
```

```
##  
## $rate_neigh_pre
```



5.7) Respondents who are dissatisfied with housing code enforcement are more likely to feel unsafe in their neighborhood [32, 17]

Find proportion who felt unsafe in neighborhood Find subset who are dissatisfied with housing code enforcement Compare proportion who did and did not feel unsafe depending on dissatisfaction with housing code enforcement

```
make_plots(wrangled %>% mutate(rate_neigh_code_bad = rate_neigh_code > 3), "diff_neigh", "rate_neigh_code_bad")
```

```
## $diff_neigh
## NULL
```

5.8) Respondents of certain races are more likely to experience abuse / violence / discrimination [34, 35]

Run binary distribution by race

```
make_plots(wrangled, "race_census", "exp_ab_or_vi", title = "Percent Respondents who Experienced\nViolence or Abuse by Race")
```

```
## $race_census
```

