poa_access_gov

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Contents

7.1)People who had difficulty accessing social services or benefits [21]

1. Run distribution over population
2. Run distribution by sub-demographics (a-k)

a. Compare and find gaps (test unequal proportions)

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

[1] 0.1613739

```
make_plots(wrangled, demographics, "diff_ss", title = "Difficulty accessing Social security benefits")
```

$borough
$borough$plot
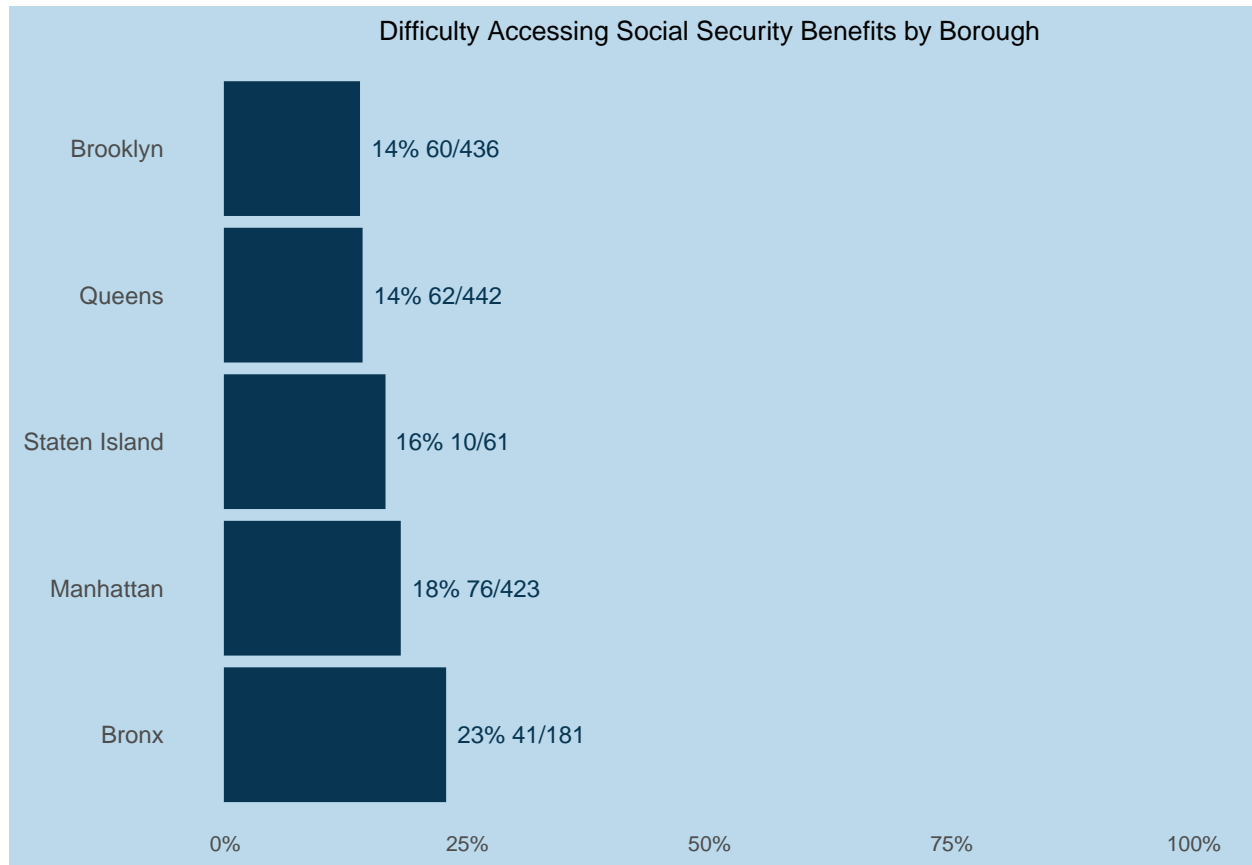

```
##
## $borough$p.values
## $borough$p.values$diff_ss
##               brooklyn queens staten island manhattan  bronx
## brooklyn            NA     NA            NA        NA 0.0094
## queens              NA     NA            NA        NA     NA
## staten island       NA     NA            NA        NA     NA
## manhattan           NA     NA            NA        NA     NA
## bronx           0.0094     NA            NA        NA     NA
##
##
##
## $gen
## NULL
```

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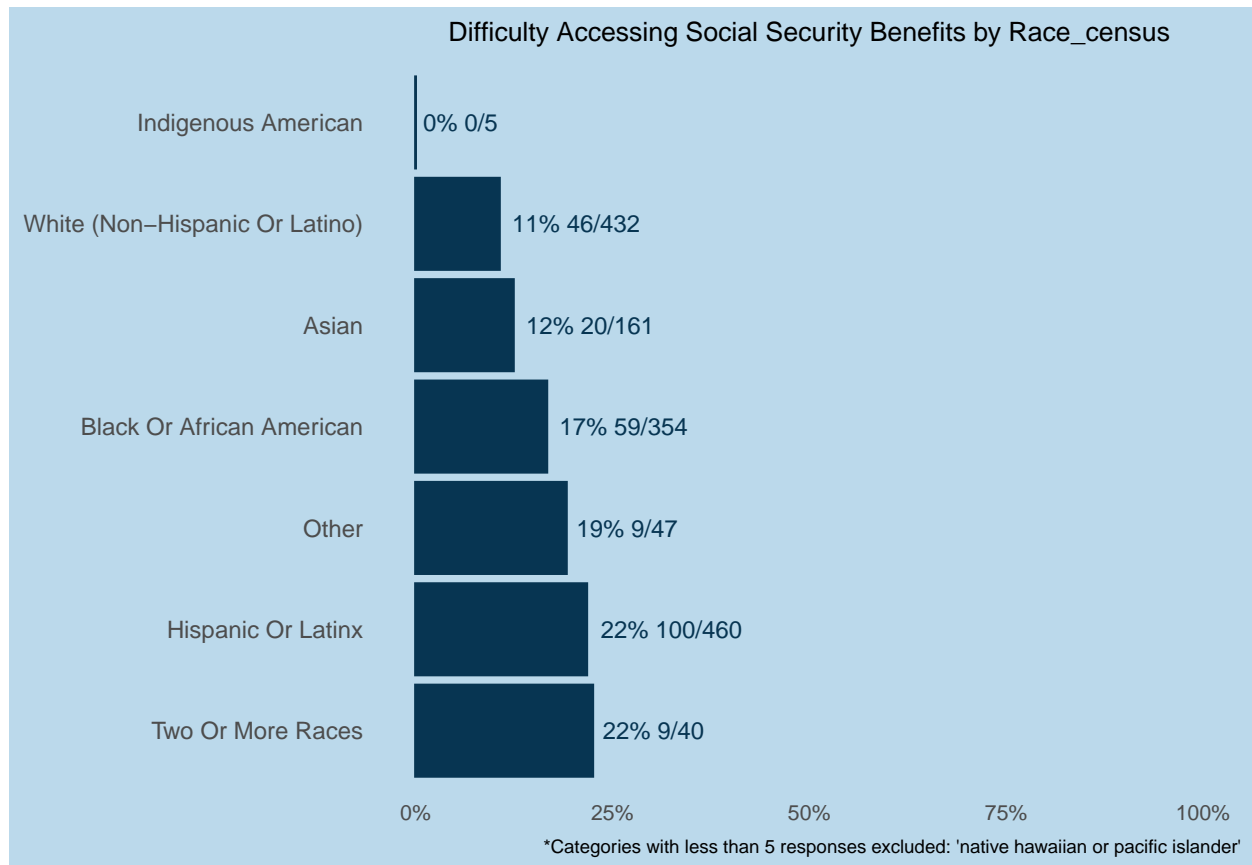


```
##
## $race_census$p.values
## $race_census$p.values$diff_ss
##                                 Indigenous American
## Indigenous American                              NA
## white (non-hispanic or latino)                   NA
## asian                                            NA
## black or african american                        NA
## other                                            NA
## hispanic or latinx                               NA
## two or more races                                NA
##                                 white (non-hispanic or latino) asian
## Indigenous American                                         NA    NA
## white (non-hispanic or latino)                              NA    NA
## asian                                                       NA    NA
## black or african american                                  NA    NA
## other                                                       NA    NA
## hispanic or latinx                                     1.2e-05    NA
## two or more races                                           NA    NA
##                                 black or african american other
## Indigenous American                                     NA    NA
```

```
## white (non-hispanic or latino)                              NA    NA
## asian                                                       NA    NA
## black or african american                                   NA    NA
## other                                                       NA    NA
## hispanic or latinx                                          NA    NA
## two or more races                                           NA    NA
##                                    hispanic or latinx two or more races
## Indigenous American                                NA                 NA
## white (non-hispanic or latino)               1.2e-05                 NA
## asian                                              NA                 NA
## black or african american                         NA                 NA
## other                                              NA                 NA
## hispanic or latinx                                 NA                 NA
## two or more races                                 NA                 NA
##
##
##
## $hh_ch_0_17_bi
## $hh_ch_0_17_bi$plot
```
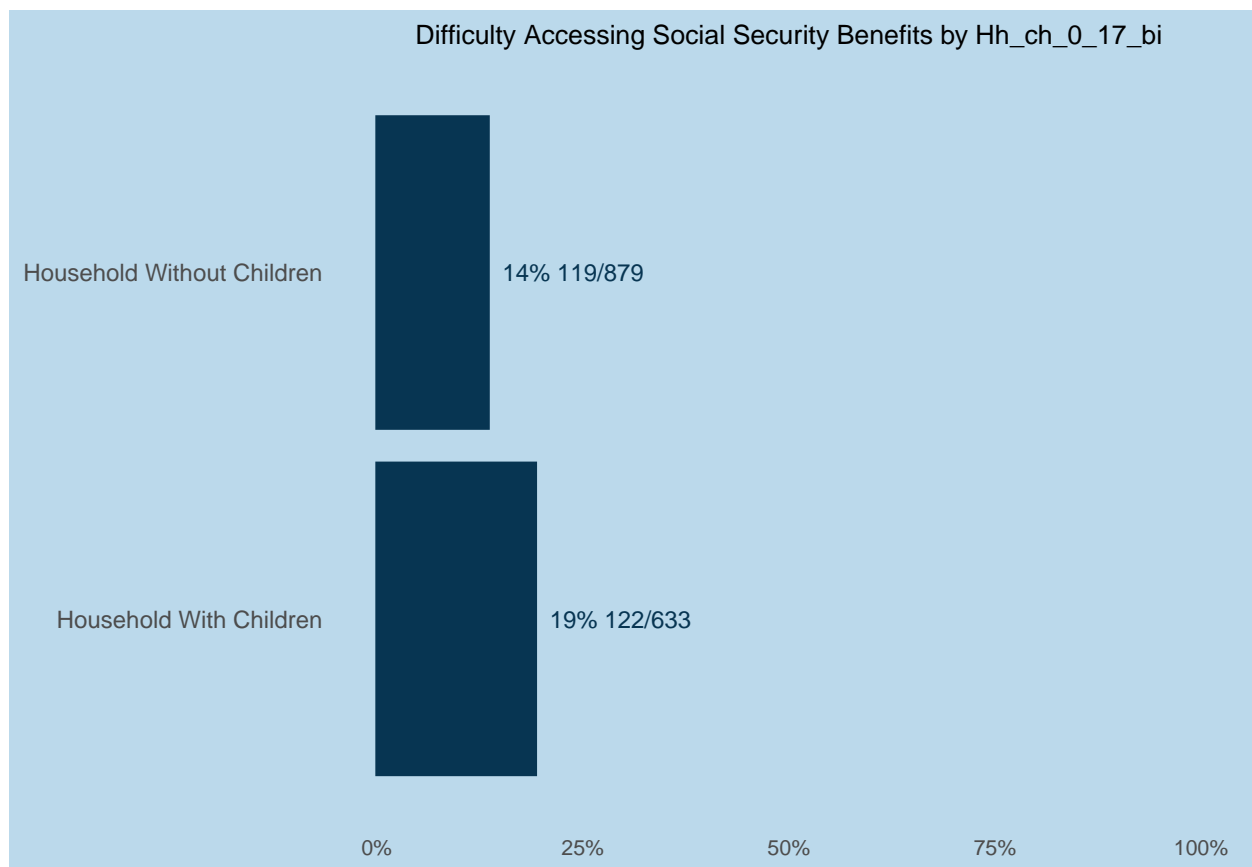


```
##
## $hh_ch_0_17_bi$p.values
## $hh_ch_0_17_bi$p.values$diff_ss
##                             household without children household with children
## household without children                          NA                   0.0033
```

```
## household with children                        0.0033                    NA
##
##
##
## $hh_sn_65_bi
## NULL
##
## $inc_dist
## $inc_dist$plot
```
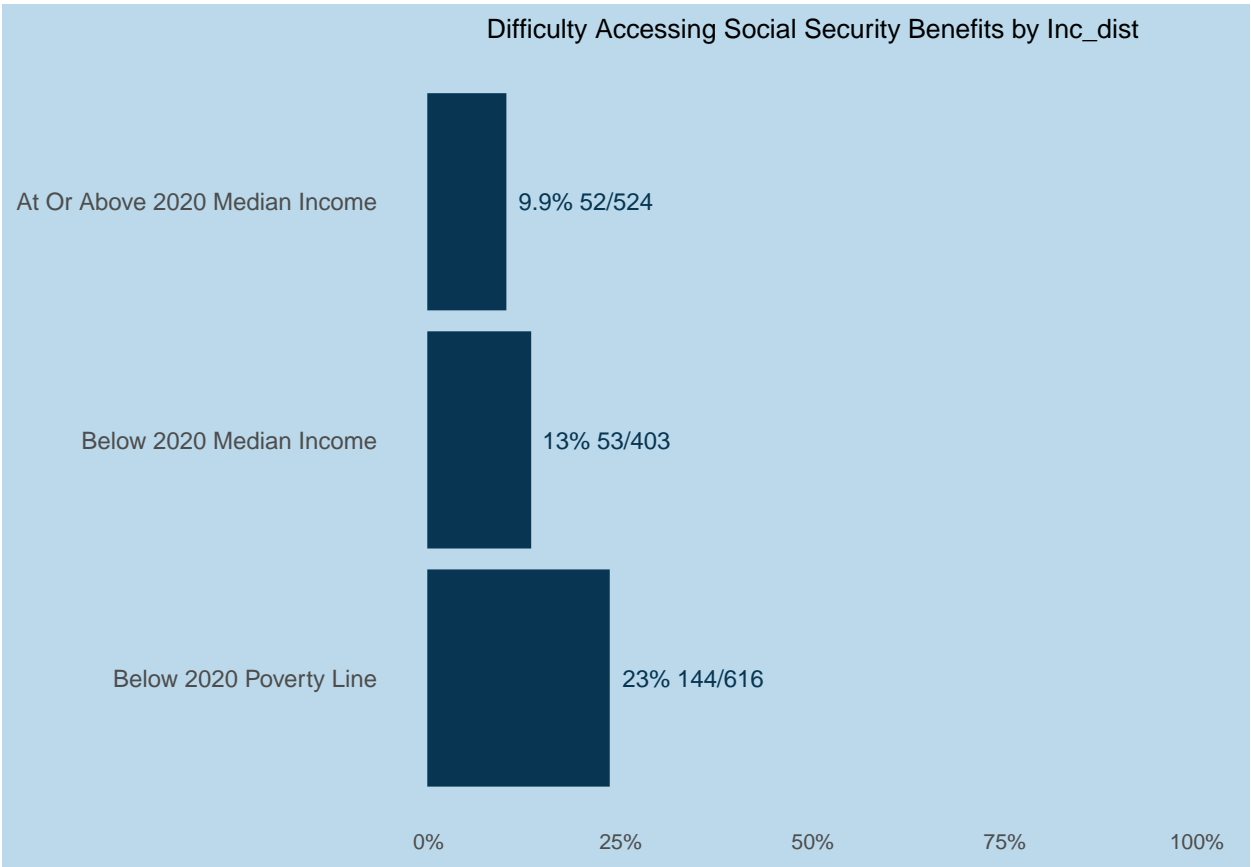


```
##
## $inc_dist$p.values
## $inc_dist$p.values$diff_ss
##                                at or above 2020 median income
## at or above 2020 median income                            NA
## below 2020 median income                                  NA
## below 2020 poverty line                             3.2e-09
##                                below 2020 median income below 2020 poverty line
## at or above 2020 median income                       NA                  3.2e-09
## below 2020 median income                             NA                  7.5e-05
## below 2020 poverty line                         7.5e-05                       NA
```

7.2)Households with children in public schools are more likely to give higher ratings to neighborhood public schools [32, 26]

1. Run binary distribution for overall rating of neighborhood schools Not Poor=Excellent, Good Poor=Fair, Poor
2. Find subset of population which are hhs with children in each binary category

a. Compare the strength of the subset with non-hhs with children in each subset

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

```
## [1] 3.115865
```

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

```
## [1] 0.3738859
```

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

```
## [1] 0.3582888
```

```
make_plots(wrangled, "hh_ch_0_17_bi", "rate_neigh_pub_good", title = "Good or Excellent Rating of Publi
```

```
## $hh_ch_0_17_bi
## $hh_ch_0_17_bi$plot
```
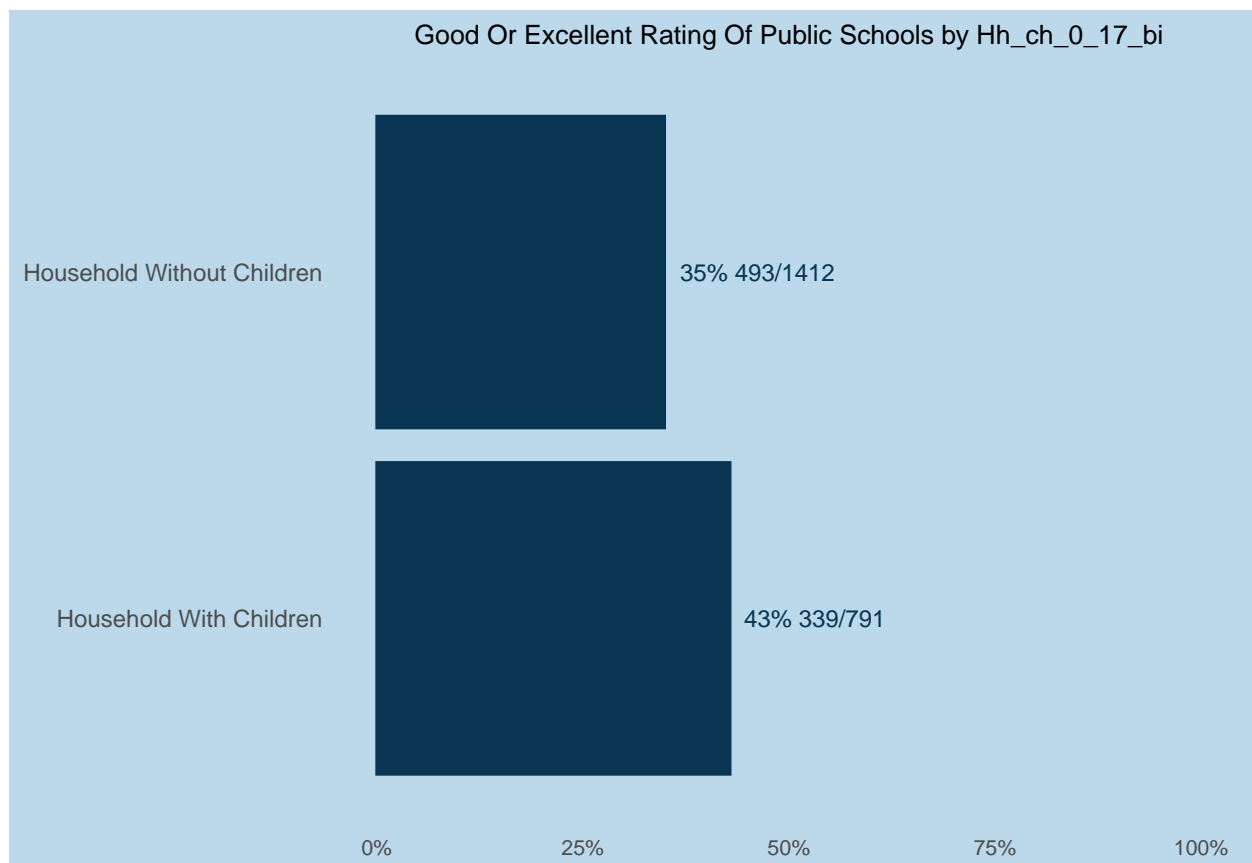
```
##
## $hh_ch_0_17_bi$p.values
## $hh_ch_0_17_bi$p.values$rate_neigh_pub_good
##                              household without children household with children
## household without children                          NA                  0.00027
## household with children                         0.00027                       NA
```

```
make_plots(wrangled, "hh_ch_0_17_bi", "rate_neigh_pub_bad", title = "Poor or Very Poor Rating of Public
```

```
## $hh_ch_0_17_bi
## $hh_ch_0_17_bi$plot
```



```
##
## $hh_ch_0_17_bi$p.values
## $hh_ch_0_17_bi$p.values$rate_neigh_pub_bad
##                              household with children household without children
## household with children                          NA                    8.2e-12
## household without children                   8.2e-12                         NA
```

7.3)Attitude towards Police Responsiveness

1. Run binary distribution over the overall rating of Police responsiveness (as described in 7.3)
2. Run distribution by sub-demographics

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

```
## [1] 3.176471
```

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

```
## [1] 0.3449198
```

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

```
## [1] 0.4059715
```

```
make_plots(wrangled, demographics, "rate_neigh_pol_good", title = "Positively Rated Police Responsivenes
```

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



```
##
## $borough$p.values
## $borough$p.values$rate_neigh_pol_good
##            manhattan  bronx  queens brooklyn staten island
## manhattan        NA     NA 1.2e-07  2.1e-09        0.0012
```

```
## bronx               NA     NA 6.8e-03  1.4e-03          NA
## queens         1.2e-07 0.0068     NA       NA          NA
## brooklyn       2.1e-09 0.0014     NA       NA          NA
## staten island  1.2e-03     NA     NA       NA          NA
##
##
##
## $gen
## $gen$plot
```
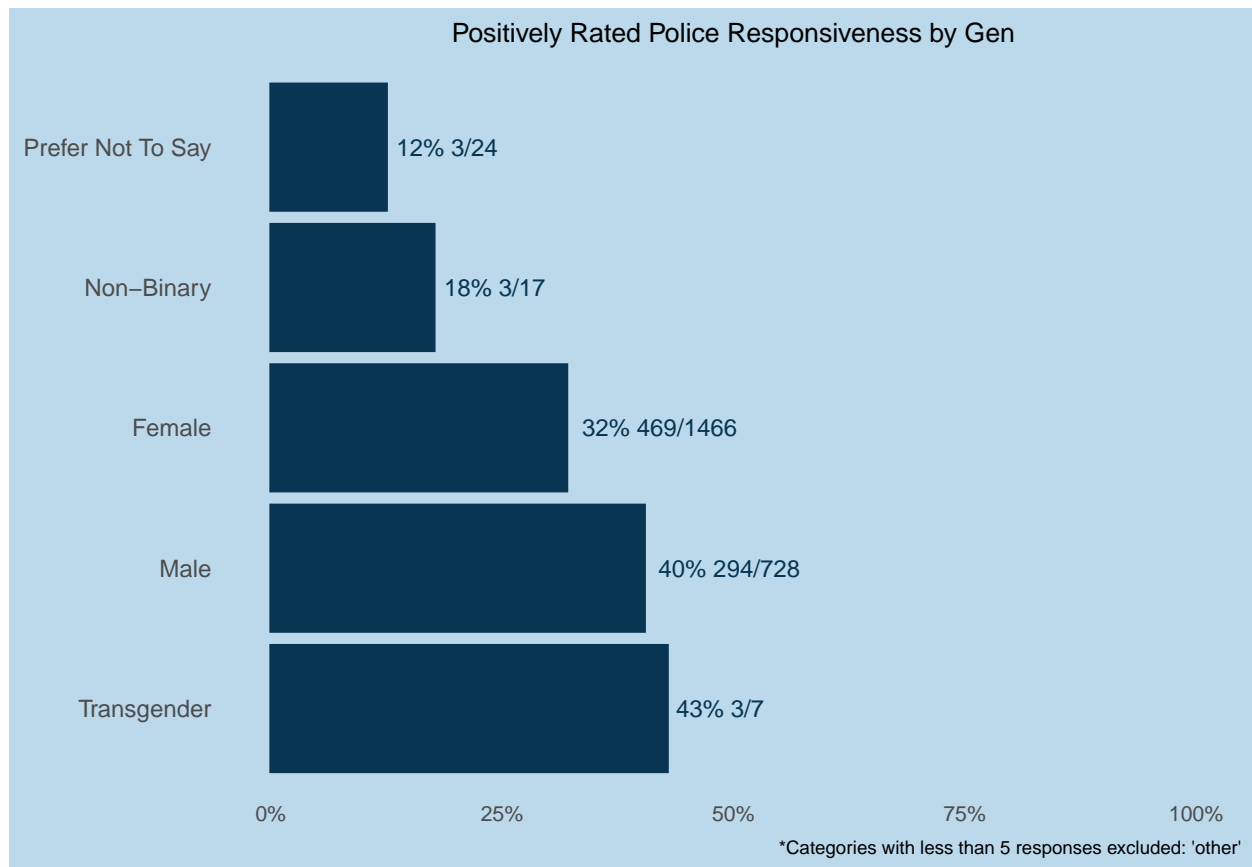


```
##
## $gen$p.values
## $gen$p.values$rate_neigh_pol_good
##                  prefer not to say non-binary  female    male transgender
## prefer not to say               NA         NA      NA      NA          NA
## non-binary                      NA         NA      NA      NA          NA
## female                          NA         NA      NA 0.00012          NA
## male                            NA         NA 0.00012      NA          NA
## transgender                     NA         NA      NA      NA          NA
##
##
##
## $race_census
## NULL
##
```
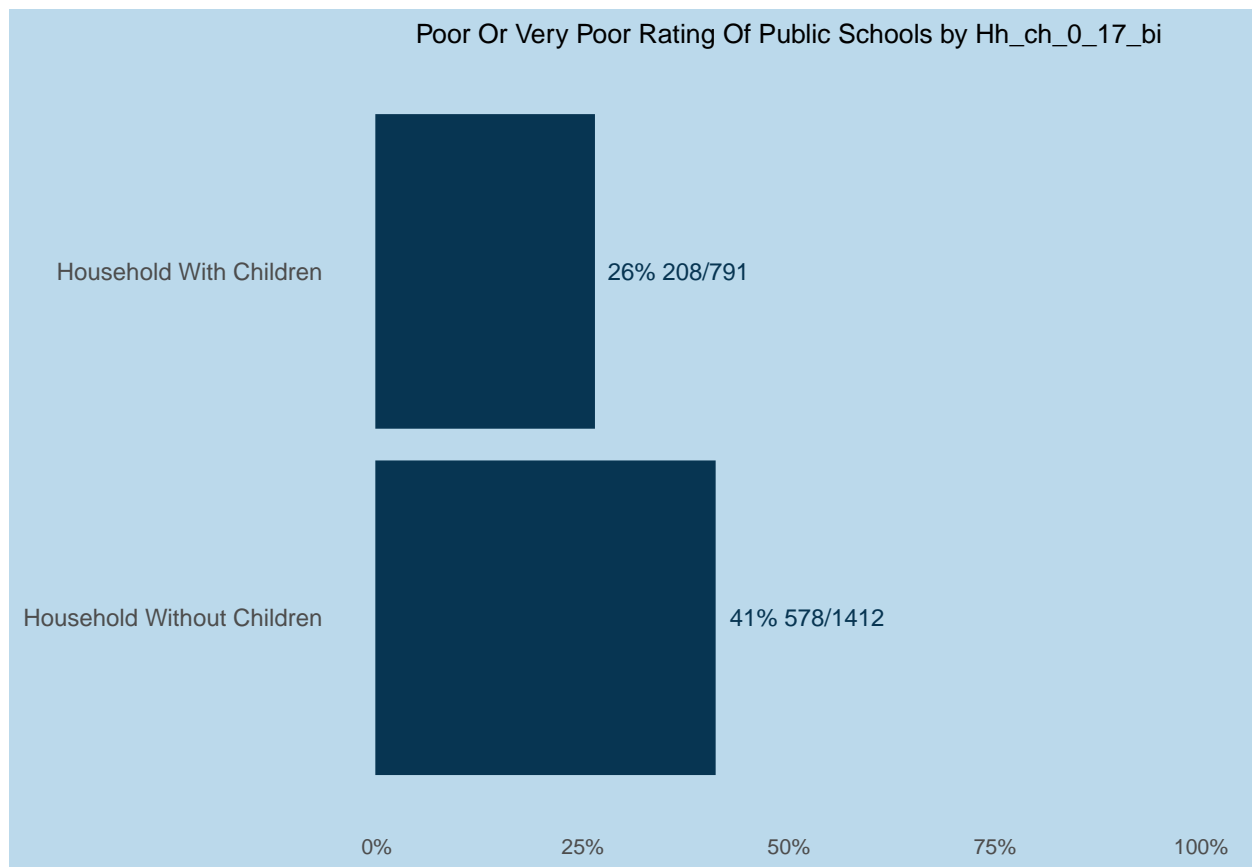
```
## $hh_ch_0_17_bi
## $hh_ch_0_17_bi$plot
```
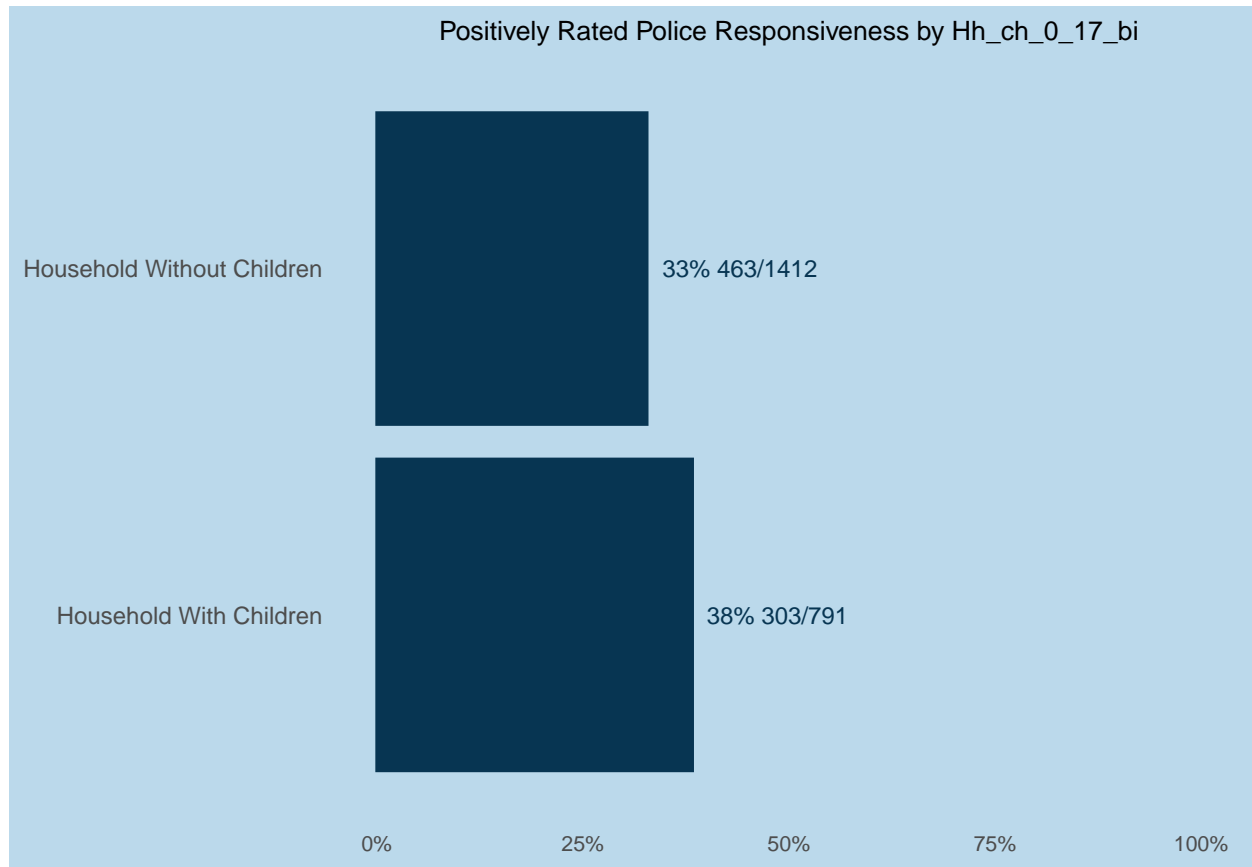


```
##
## $hh_ch_0_17_bi$p.values
## $hh_ch_0_17_bi$p.values$rate_neigh_pol_good
##                               household without children household with children
## household without children                         NA                      0.01
## household with children                          0.01                        NA
##
##
##
## $hh_sn_65_bi
## NULL
##
## $inc_dist
## NULL
```

```
make_plots(wrangled, demographics, "rate_neigh_pol_bad", title = "Negatively Rated Police Responsiveness
```
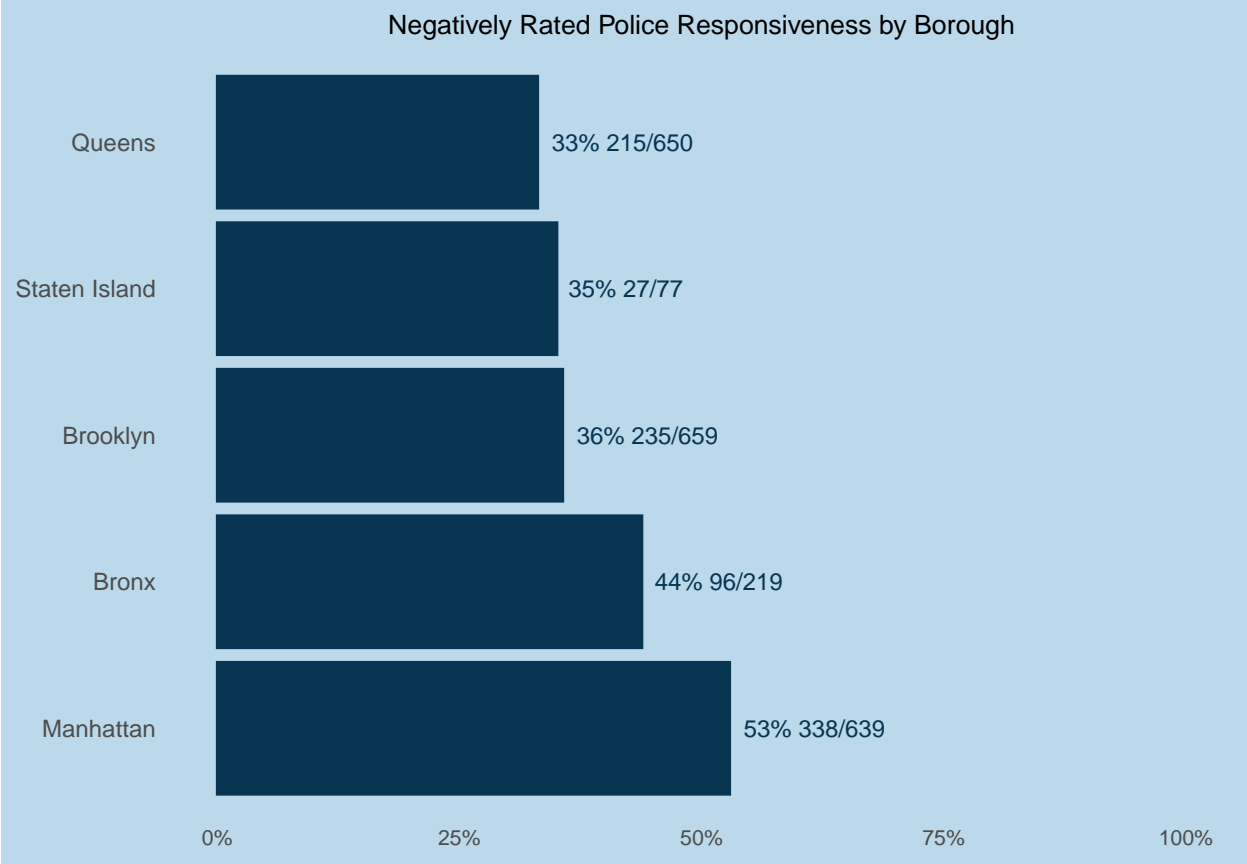
```
## $borough
## $borough$plot
```

Negatively Rated Police Responsiveness by Borough

Queens — 33% 215/650
Staten Island — 35% 27/77
Brooklyn — 36% 235/659
Bronx — 44% 96/219
Manhattan — 53% 338/639

```
##
## $borough$p.values
## $borough$p.values$rate_neigh_pol_bad
##                queens staten island brooklyn  bronx manhattan
## queens             NA            NA       NA 0.0053   9.9e-13
## staten island      NA            NA       NA     NA   4.6e-03
## brooklyn           NA            NA       NA     NA   5.8e-10
## bronx         5.3e-03            NA       NA     NA        NA
## manhattan     9.9e-13        0.0046  5.8e-10     NA        NA
##
##
##
## $gen
## $gen$plot
```
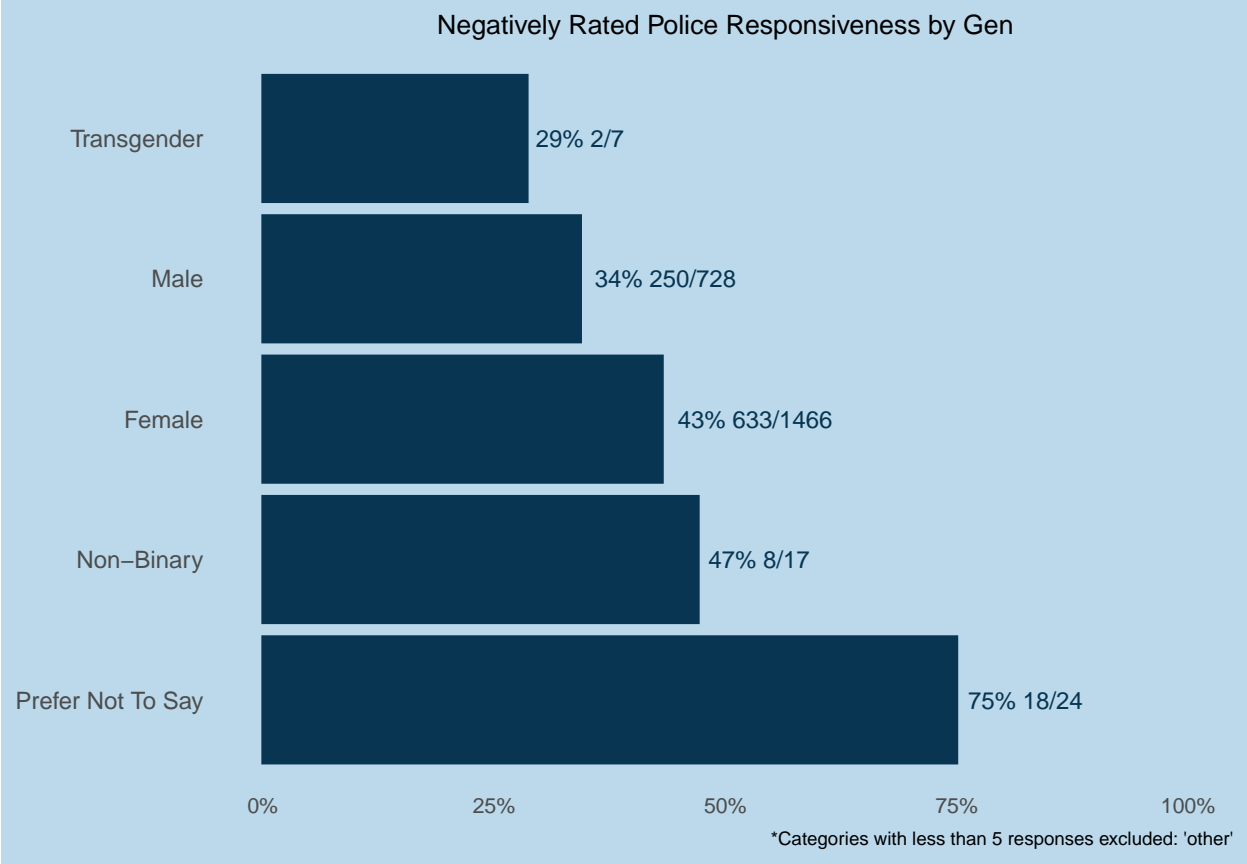
Negatively Rated Police Responsiveness by Gen

Transgender — 29% 2/7

Male — 34% 250/728

Female — 43% 633/1466

Non–Binary — 47% 8/17

Prefer Not To Say — 75% 18/24

*Categories with less than 5 responses excluded: 'other'

```
##
## $gen$p.values
## $gen$p.values$rate_neigh_pol_bad
##                  transgender    male  female non-binary prefer not to say
## transgender               NA      NA      NA         NA                NA
## male                      NA      NA 8.5e-05         NA           0.00011
## female                    NA 8.5e-05      NA         NA           0.00360
## non-binary                NA      NA      NA         NA                NA
## prefer not to say         NA 1.1e-04 3.6e-03         NA                NA
##
##
##
## $race_census
## $race_census$plot
```

Negatively Rated Police Responsiveness by Race_census

Race	Percentage
Asian	34% 82/244
Black Or African American	35% 174/499
Hispanic Or Latinx	39% 217/563
White (Non–Hispanic Or Latino)	45% 337/748
Other	48% 31/65
Indigenous American	50% 3/6
Two Or More Races	59% 34/58

*Categories with less than 5 responses excluded: 'native hawaiian or pacific islander'

```
## 
## $race_census$p.values
## $race_census$p.values$rate_neigh_pol_bad
##                              asian black or african american
## asian                          NA                         NA
## black or african american     NA                         NA
## hispanic or latinx             NA                         NA
## white (non-hispanic or latino) 0.00210                0.00043
## other                          NA                         NA
## Indigenous American            NA                         NA
## two or more races              0.00075                0.00068
##                              hispanic or latinx
## asian                                 NA
## black or african american            NA
## hispanic or latinx                    NA
## white (non-hispanic or latino)        NA
## other                                 NA
## Indigenous American                   NA
## two or more races                     0.0047
##                              white (non-hispanic or latino) other
## asian                                            0.00210    NA
## black or african american                        0.00043    NA
## hispanic or latinx                                   NA     NA
## white (non-hispanic or latino)                       NA     NA
## other                                                NA     NA
## Indigenous American                                  NA     NA
```

```
## two or more races                                       NA      NA
##                            Indigenous American two or more races
## asian                                       NA          0.00075
## black or african american                  NA          0.00068
## hispanic or latinx                          NA          0.00470
## white (non-hispanic or latino)              NA               NA
## other                                       NA               NA
## Indigenous American                         NA               NA
## two or more races                           NA               NA
##
##
##
## $hh_ch_0_17_bi
## $hh_ch_0_17_bi$plot
```



```
##
## $hh_ch_0_17_bi$p.values
## $hh_ch_0_17_bi$p.values$rate_neigh_pol_bad
##                            household with children household without children
## household with children                         NA                       2e-07
## household without children                   2e-07                          NA
##
##
##
## $hh_sn_65_bi
```

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

7.4)Respondents from the Bronx (high crime rate as compared to to other boroughs) are more likely to rate Police Responsiveness as poor [32, 2]

1. Run binary distribution for overall rating of Police responsiveness (as described in 7.2)
2. Find subset of population who are from Bronx in both the category responsenses

a. Compare and contrast the responses between the Bronx and on-Bronx population

```
make_plots(wrangled, "borough",
           "rate_neigh_pol_bad", title = "Negatively Rated Police Responsiveness")
```
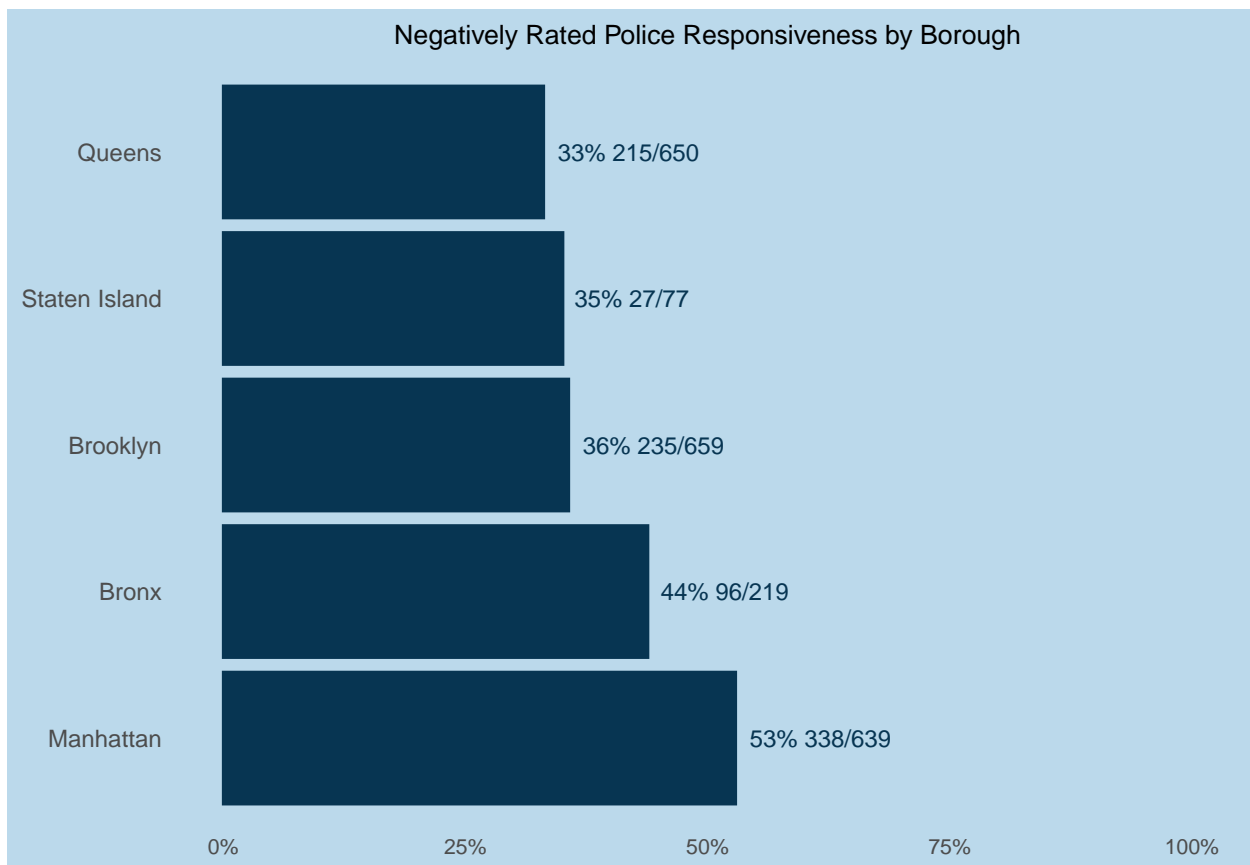
```
## $borough
## $borough$plot
```



```
##
## $borough$p.values
```

```
## $borough$p.values$rate_neigh_pol_bad
##               queens staten island brooklyn  bronx manhattan
## queens           NA            NA       NA 0.0053   9.9e-13
## staten island    NA            NA       NA     NA   4.6e-03
## brooklyn         NA            NA       NA     NA   5.8e-10
## bronx        5.3e-03            NA       NA     NA        NA
## manhattan    9.9e-13        0.0046  5.8e-10     NA        NA
```

```
make_plots(wrangled, "bronx_bi", "rate_neigh_pol_bad", title = "Negatively Rated Police Responsiveness"
```

```
## $bronx_bi
## $bronx_bi$plot
```
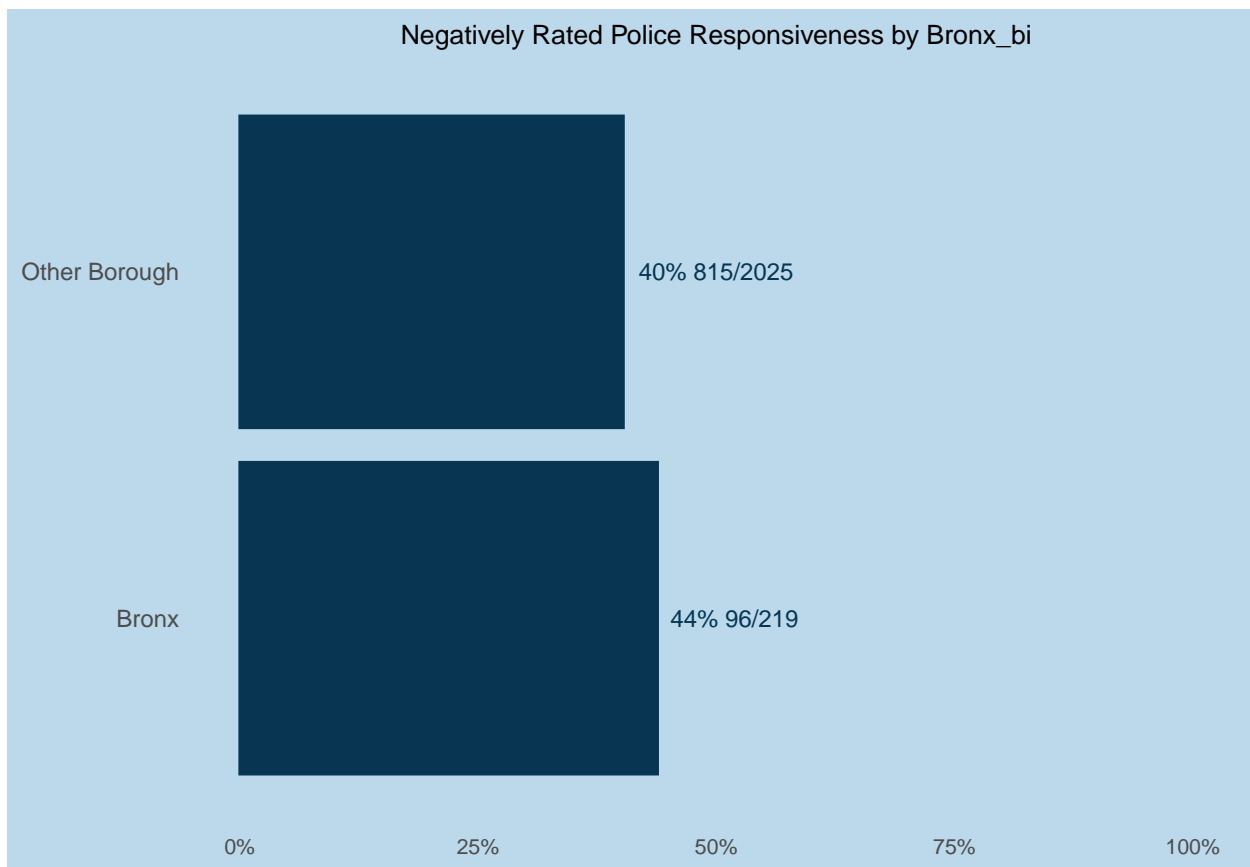


```
##
## $bronx_bi$p.values
## $bronx_bi$p.values$rate_neigh_pol_bad
##               other borough bronx
## other borough           NA    NA
## bronx                   NA    NA
```

7.5)Respondents from low income brackets (at or below median income) are more likely to rate neighbourhood safety poorly

3. Run binary distribution for overall rating of Police responsiveness (as described in 7.3)

4. Find subset of population who are from above median income in both the category responsenses

b. Compare and contrast the responses between high and low income population

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

```
## [1] 3.294563
```

```
make_plots(wrangled, "inc_dist", "rate_neigh_pre_bad", title = "Rated Crime Prevention Well")
```

```
## $inc_dist
## $inc_dist$plot
```
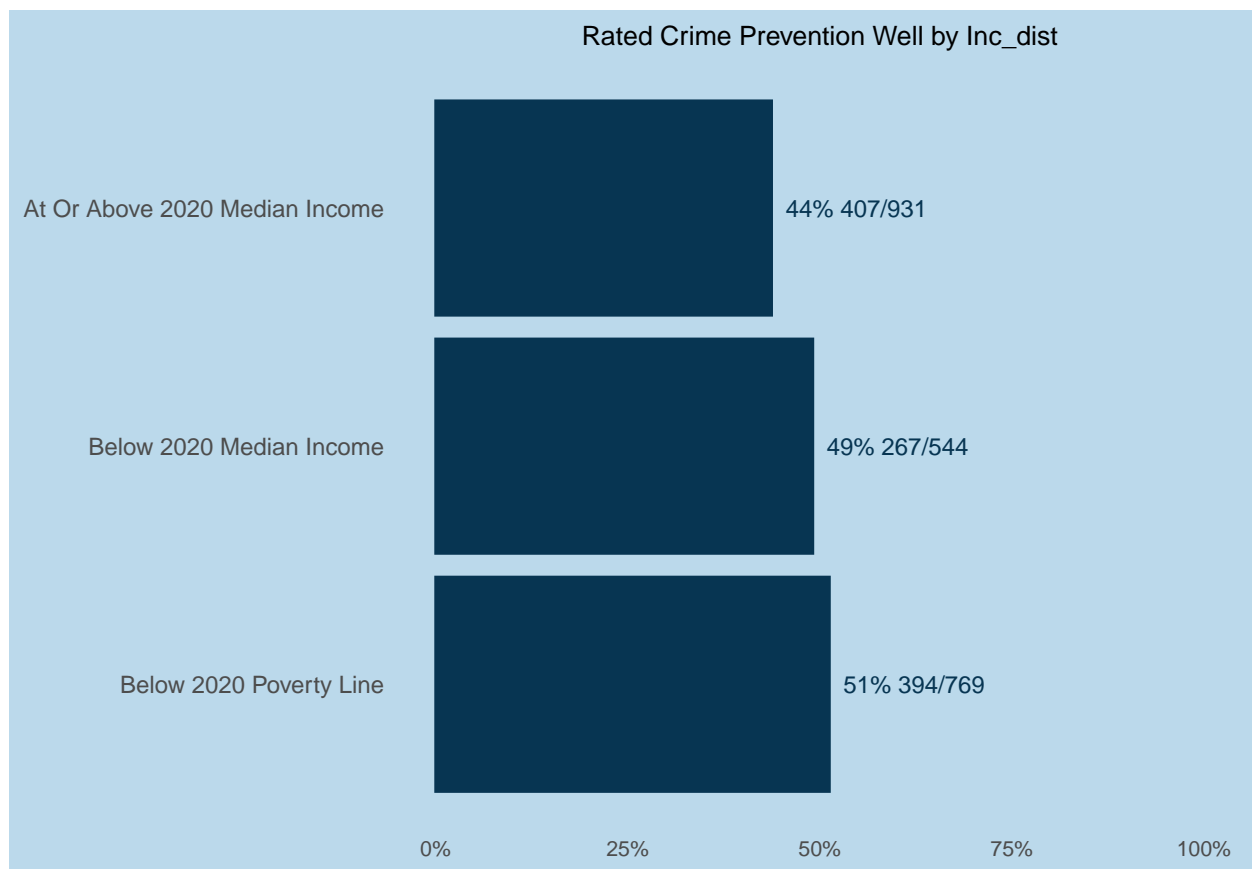


```
##
## $inc_dist$p.values
## $inc_dist$p.values$rate_neigh_pre_bad
##                                at or above 2020 median income
## at or above 2020 median income                             NA
## below 2020 median income                                   NA
## below 2020 poverty line                               0.0023
##                                below 2020 median income below 2020 poverty line
## at or above 2020 median income                       NA                  0.0023
## below 2020 median income                             NA                      NA
## below 2020 poverty line                              NA                      NA
```

```
make_plots(wrangled, "inc_dist", "rate_neigh_pre_good", title = "Rated Crime Prevention Poorly", show =
```

```
## $inc_dist
## $inc_dist$plot
```
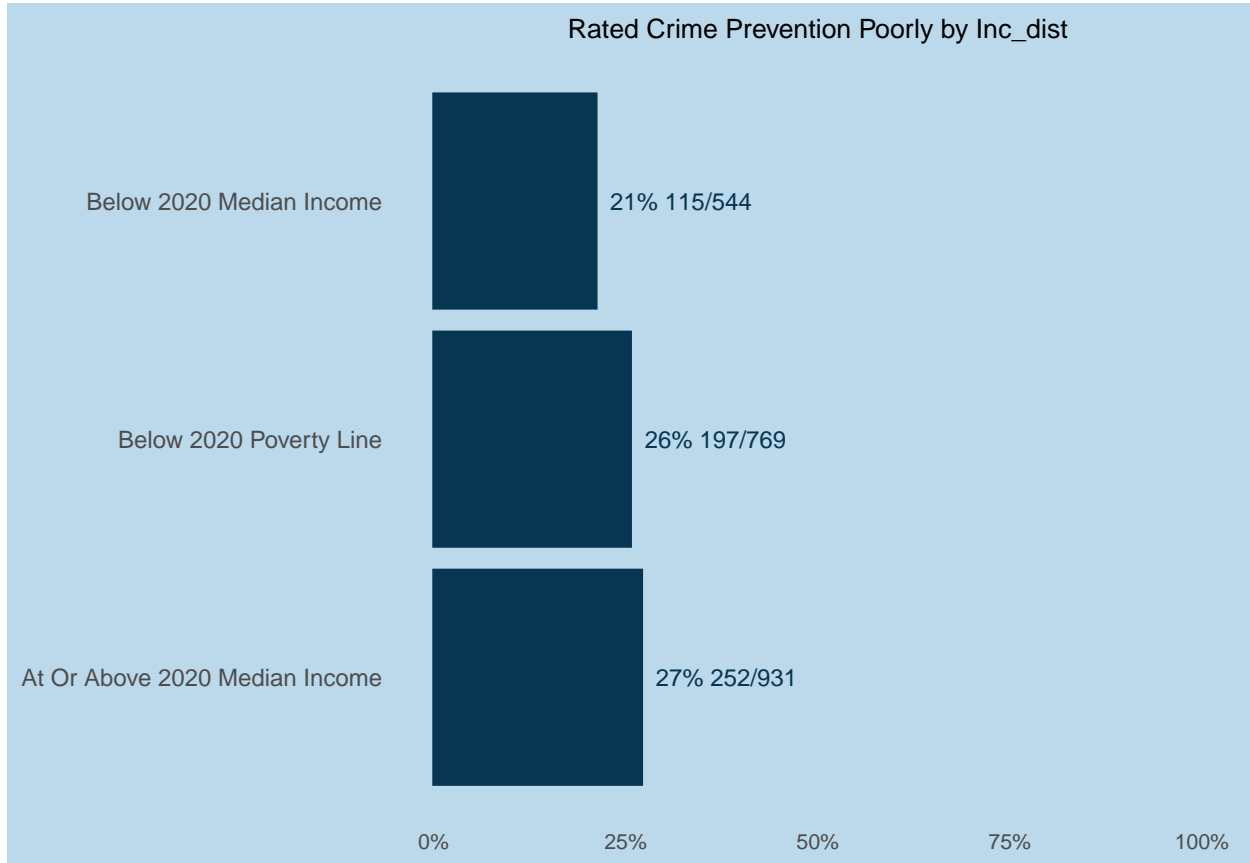


```
##
## $inc_dist$p.values
## $inc_dist$p.values$rate_neigh_pre_good
##                               below 2020 median income below 2020 poverty line
## below 2020 median income                            NA                       NA
## below 2020 poverty line                             NA                       NA
## at or above 2020 median income                      NA                       NA
##                               at or above 2020 median income
## below 2020 median income                                   NA
## below 2020 poverty line                                    NA
## at or above 2020 median income                             NA
```

7.6) People who rated city/state/federal government response to the pandemic well were more likely to indicate they would turn to the government if they needed help

1. Find respondents who rated city/state/federal government response as good or excellent [31]

a. Find proportion of subset who indicated they would use the government for at least one need [33]
b. Find proportion not in subset who indicated they would use the government for at least one need and compare (test unequal proportions)

```
prop_rate_above_ave <- mean(wrangled$rate_gov_all_ave, na.rm = TRUE)

mean_val <- mean(6 - wrangled %>% select(rate_gov_fed, rate_gov_sta, rate_gov_cit) %>% unlist, na.rm =

wrangled %>% ggplot(aes(x = rate_gov_all_ave)) + geom_bar() + geom_vline(xintercept = mean_val) + ggtit
```
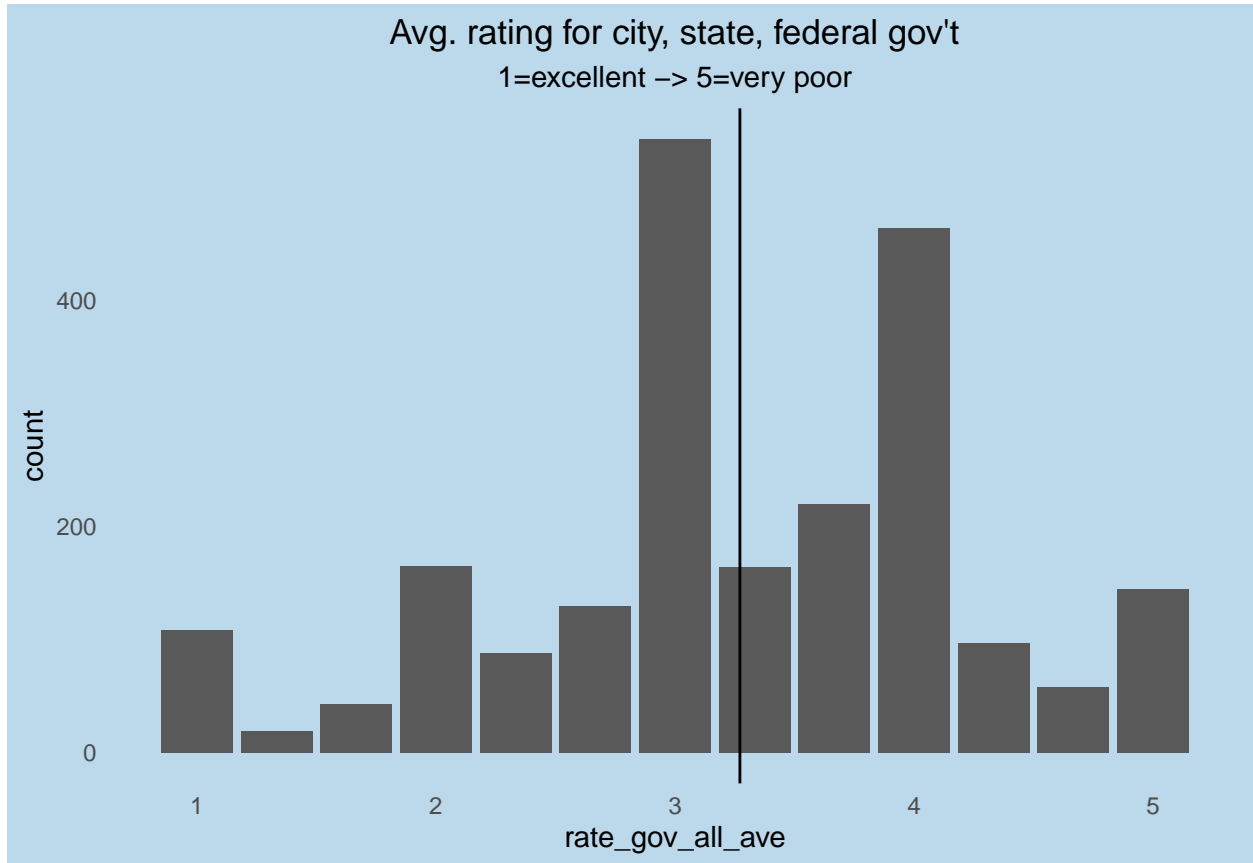


```
make_plots(wrangled, "lr_gov", c("rate_gov_all_bad", "rate_gov_all_good"),
          title = "Rated Federal, State, and City Government (Very) poorly", show = "TRUE")
```

```
## $lr_gov
## $lr_gov$plot
```

Rated Federal, State, And City Government (Very) Poorly by Lr_go

Would Reach Out To Local Government
32% 570/1767
13% 230/1767

Would Not Reach Out To Local Government
30% 142/477
17% 82/477

0%   25%   50%   75%   100%

rate_gov_all_bad   rate_gov_all_good
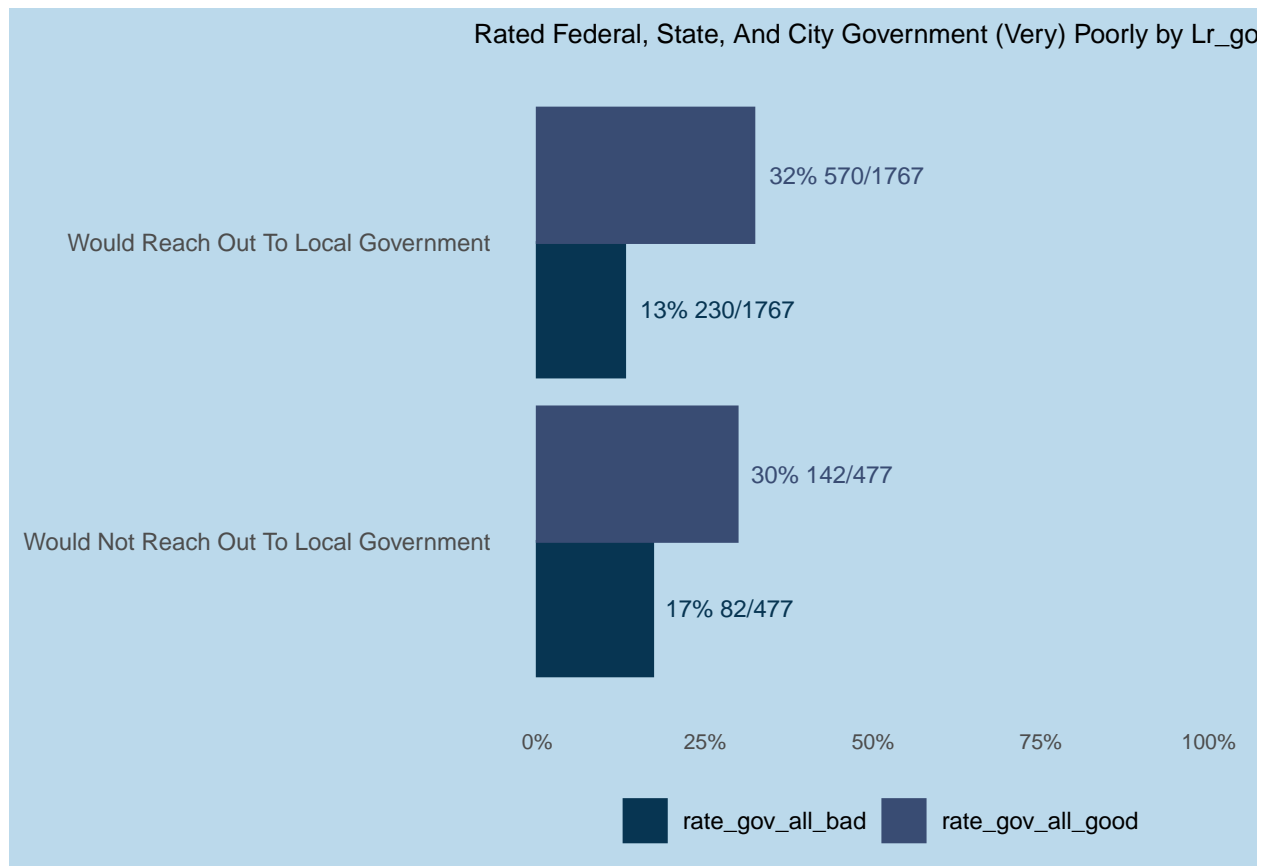
```
##
## $lr_gov$p.values
## $lr_gov$p.values$rate_gov_all_bad
##                                                  would reach out to local government
## would reach out to local government                                               NA
## would not reach out to local government                                           NA
##                                              would not reach out to local government
## would reach out to local government                                               NA
## would not reach out to local government                                           NA
##
## $lr_gov$p.values$rate_gov_all_good
##                                              would not reach out to local government
## would not reach out to local government                                           NA
## would reach out to local government                                               NA
##                                                  would reach out to local government
## would not reach out to local government                                           NA
## would reach out to local government                                               NA
```

7.7)Run distribution over the rating of each neighborhood service

1. Run binary distribution for overall rating of all neighborhood services as done for police responsiveness in 7.2

```
rate_neigh <- select(wrangled, starts_with("rate_neigh") & (ends_with("good") | ends_with("bad"))) %>%
```

```
lapply(rate_neigh, function(item) {
  make_plots(wrangled, demographics, item, title = item)
})
```

[[1]]
[[1]]$borough
[[1]]$borough$plot
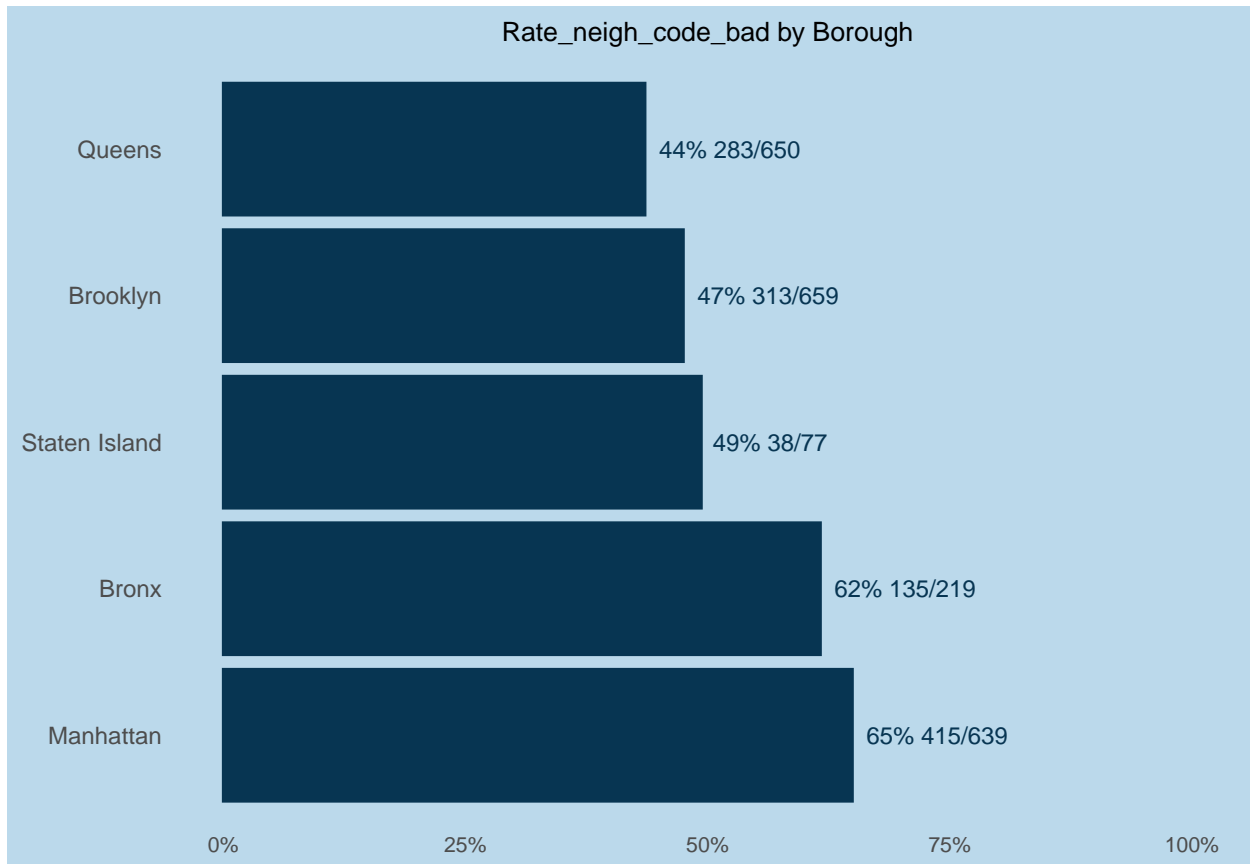
##
[[1]]$borough$p.values
[[1]]$borough$p.values$rate_neigh_code_bad
queens brooklyn staten island   bronx manhattan
queens   NA   NA   NA 5.1e-06   1.9e-14
brooklyn   NA   NA   NA 3.8e-04   3.5e-10
staten island   NA   NA   NA   NA   NA
bronx   5.1e-06 3.8e-04   NA   NA   NA
manhattan   1.9e-14 3.5e-10   NA   NA   NA
##
##
##
[[1]]$gen
[[1]]genplot

Rate_neigh_code_bad by Gen

Transgender — 14% 1/7
Male — 46% 336/728
Non–Binary — 47% 8/17
Female — 56% 821/1466
Prefer Not To Say — 75% 18/24

0%   25%   50%   75%   100%

*Categories with less than 5 responses excluded: 'other'
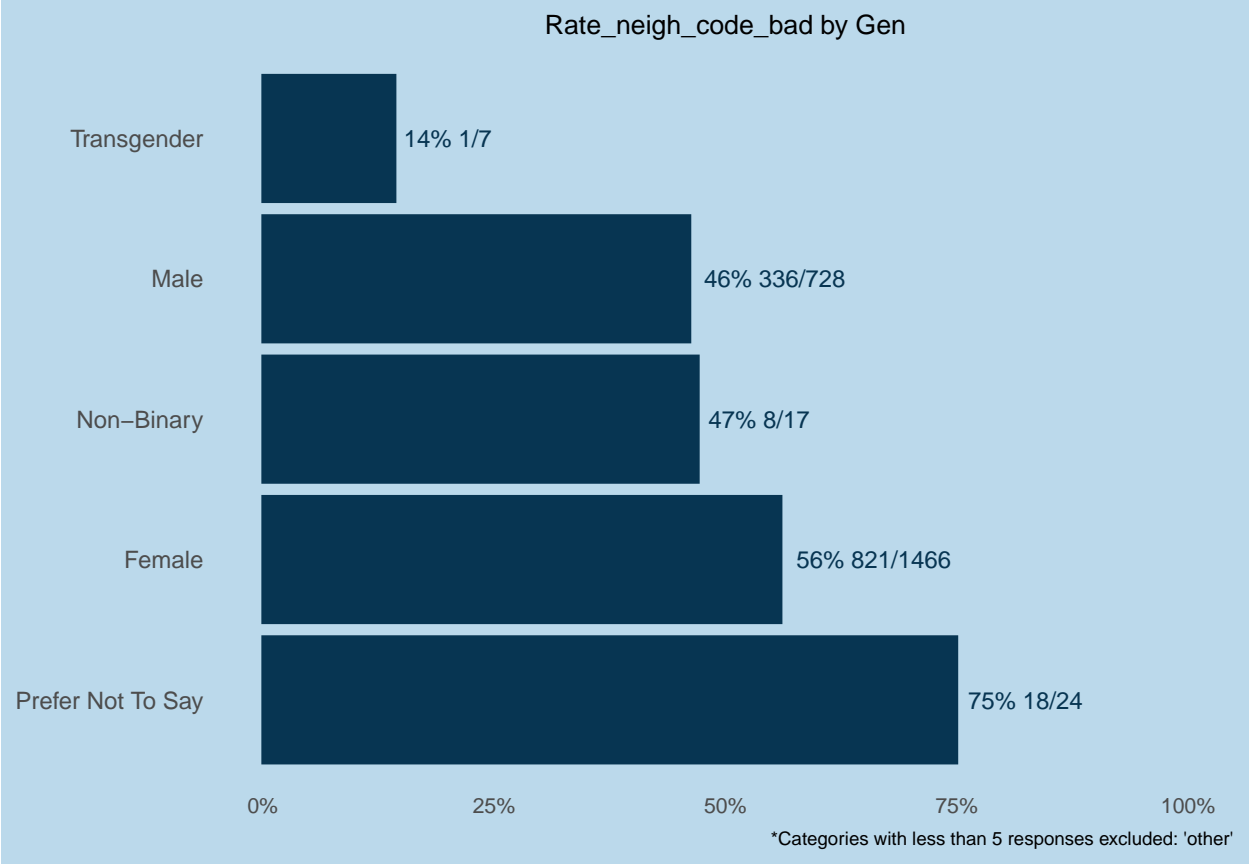
```
##
## [[1]]$gen$p.values
## [[1]]$gen$p.values$rate_neigh_code_bad
##                  transgender    male non-binary  female prefer not to say
## transgender               NA      NA         NA      NA                NA
## male                      NA      NA         NA 1.7e-05            0.0099
## non-binary                NA      NA         NA      NA                NA
## female                    NA 1.7e-05         NA      NA                NA
## prefer not to say         NA 9.9e-03         NA      NA                NA
##
##
##
## [[1]]$race_census
## [[1]]$race_census$plot
```

Rate_neigh_code_bad by Race_census

Indigenous American — 33% 2/6
Asian — 42% 103/244
Black Or African American — 47% 235/499
Hispanic Or Latinx — 49% 278/563
White (Non–Hispanic Or Latino) — 59% 438/748
Other — 60% 39/65
Two Or More Races — 76% 44/58

*Categories with less than 5 responses excluded: 'native hawaiian or pacific islander'
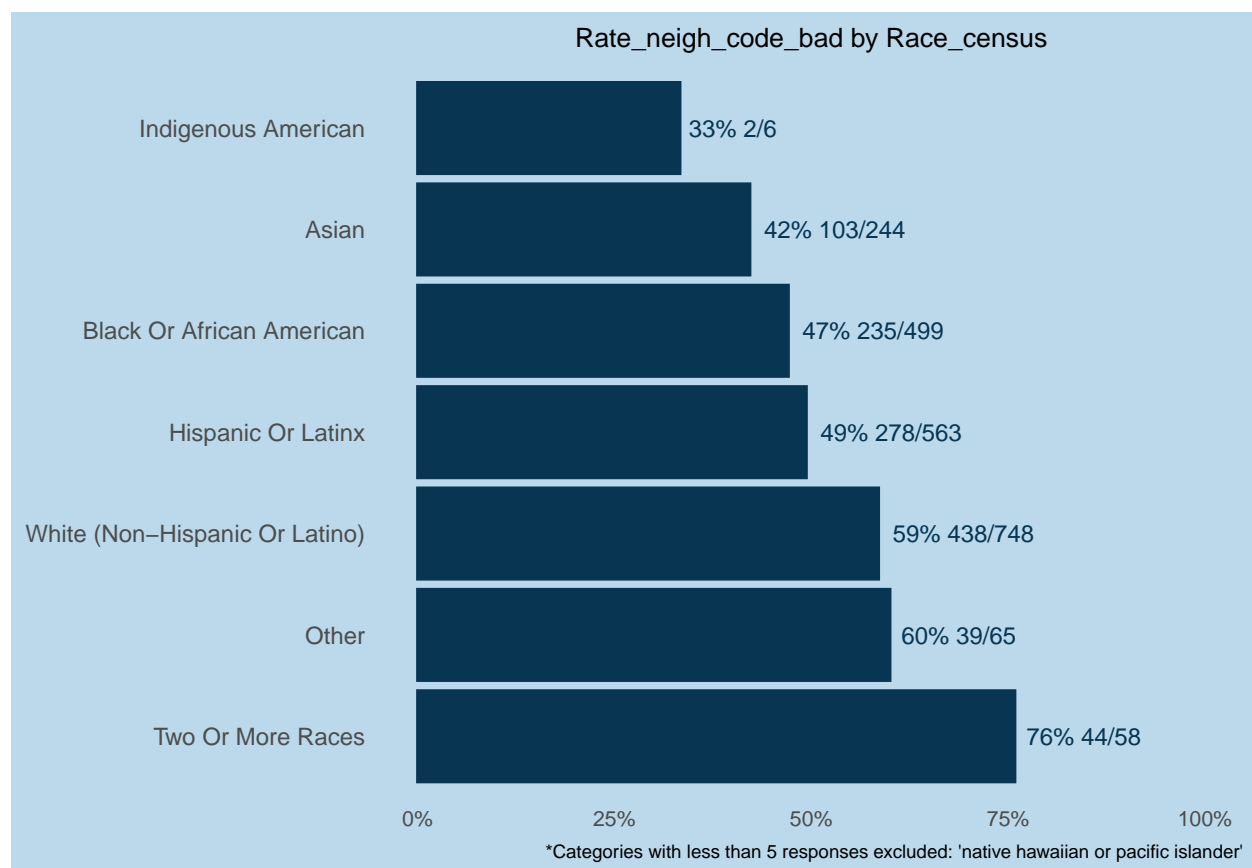
```
##
## [[1]]$race_census$p.values
## [[1]]$race_census$p.values$rate_neigh_code_bad
##                             Indigenous American   asian
## Indigenous American                          NA      NA
## asian                                        NA      NA
## black or african american                   NA      NA
## hispanic or latinx                           NA      NA
## white (non-hispanic or latino)               NA 1.2e-05
## other                                        NA      NA
## two or more races                            NA 8.1e-06
##                             black or african american hispanic or latinx
## Indigenous American                                NA                 NA
## asian                                              NA                 NA
## black or african american                         NA                 NA
## hispanic or latinx                                 NA                 NA
## white (non-hispanic or latino)                8.8e-05            0.00120
## other                                              NA                 NA
## two or more races                             6.1e-05            0.00021
##                             white (non-hispanic or latino) other
## Indigenous American                                      NA    NA
## asian                                               1.2e-05    NA
## black or african american                           8.8e-05    NA
## hispanic or latinx                                  1.2e-03    NA
## white (non-hispanic or latino)                           NA    NA
## other                                                    NA    NA
```

```
## two or more races                                                    NA      NA
##                                   two or more races
## Indigenous American                             NA
## asian                                      8.1e-06
## black or african american                  6.1e-05
## hispanic or latinx                         2.1e-04
## white (non-hispanic or latino)                  NA
## other                                           NA
## two or more races                               NA
##
##
##
## [[1]]$hh_ch_0_17_bi
## [[1]]$hh_ch_0_17_bi$plot
```


Rate_neigh_code_bad by Hh_ch_0_17_bi

Household With Children — 46% 361/791

Household Without Children — 57% 803/1412

0%   25%   50%   75%   100%
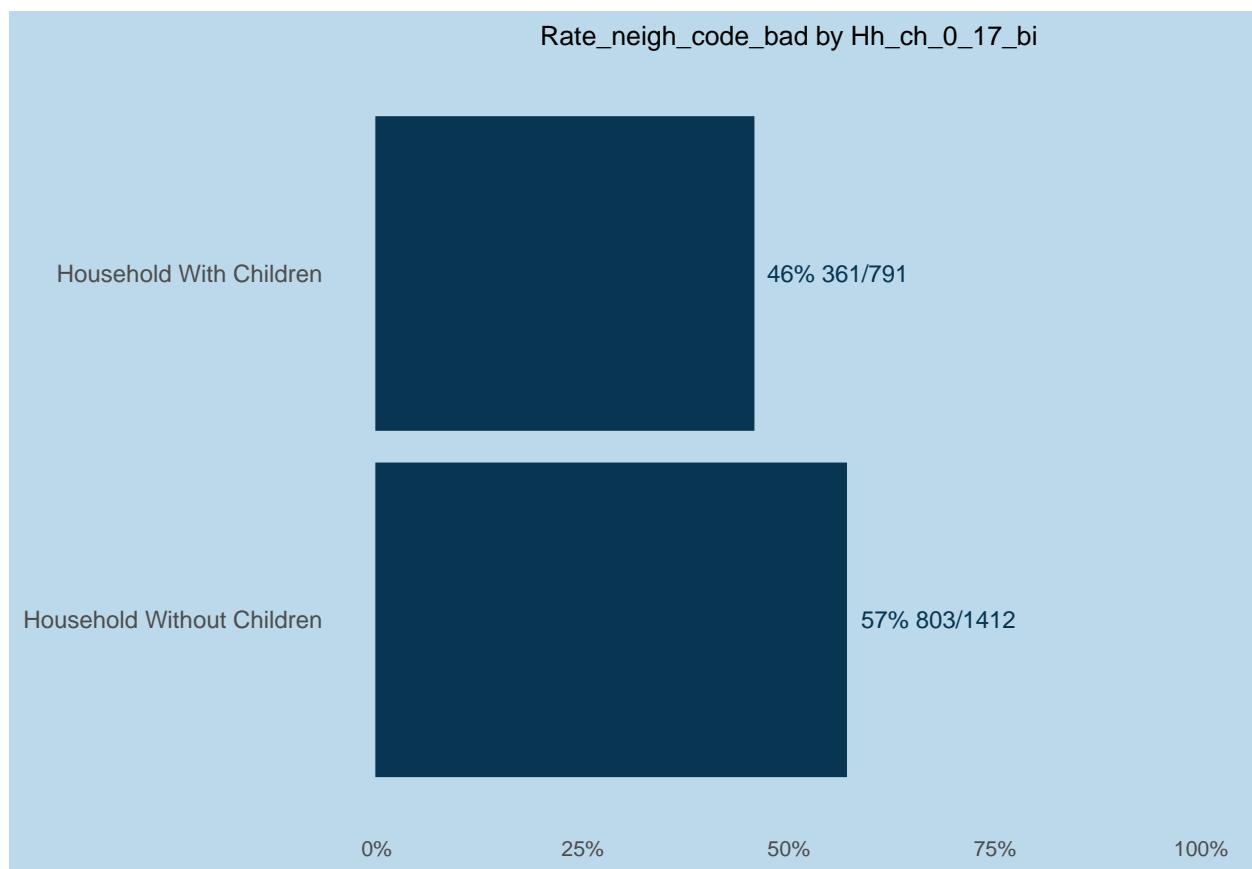
```
##
## [[1]]$hh_ch_0_17_bi$p.values
## [[1]]$hh_ch_0_17_bi$p.values$rate_neigh_code_bad
##                          household with children household without children
## household with children                      NA                    5.1e-07
## household without children              5.1e-07                         NA
##
##
##
## [[1]]$hh_sn_65_bi
## [[1]]$hh_sn_65_bi$plot
```

Rate_neigh_code_bad by Hh_sn_65_bi

Household Without Seniors — 51% 759/1501

Household With Seniors — 58% 405/702

0%   25%   50%   75%   100%
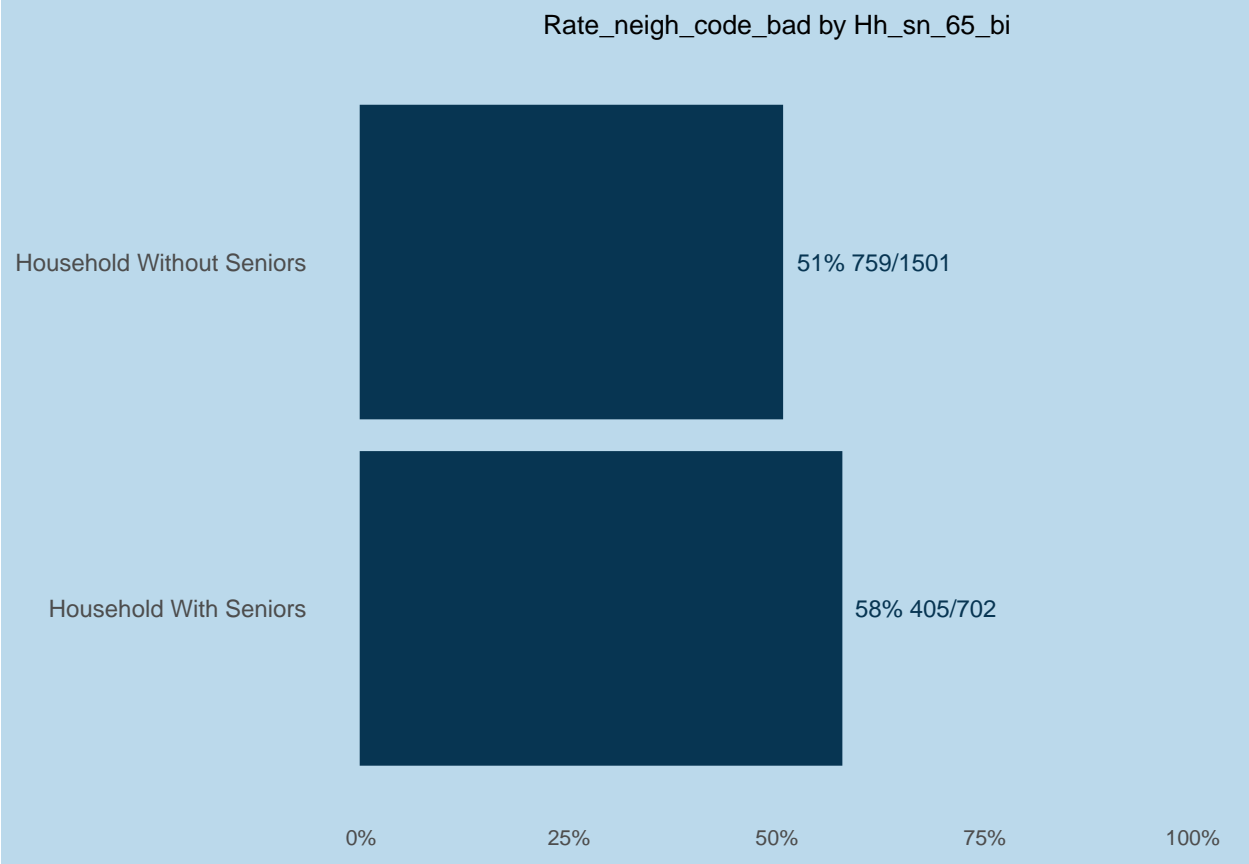
```
## 
## [[1]]$hh_sn_65_bi$p.values
## [[1]]$hh_sn_65_bi$p.values$rate_neigh_code_bad
##                          household without seniors household with seniors
## household without seniors                       NA                 0.0021
## household with seniors                      0.0021                     NA
## 
## 
## 
## [[1]]$inc_dist
## [[1]]$inc_dist$plot
```

Rate_neigh_code_bad by Inc_dist

Below 2020 Poverty Line   47% 362/769

Below 2020 Median Income   52% 284/544

At Or Above 2020 Median Income   58% 538/931

```
0%        25%        50%        75%        100%
```
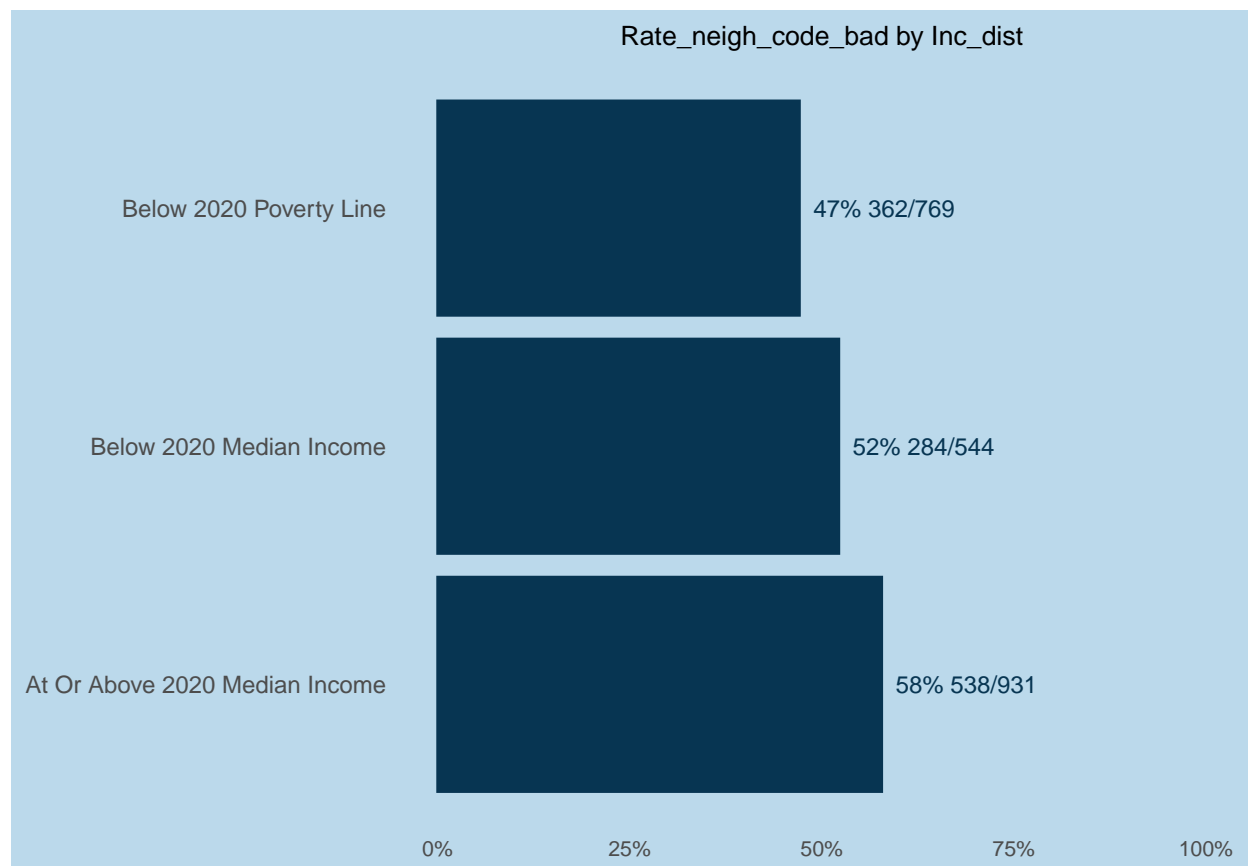
```
##
## [[1]]$inc_dist$p.values
## [[1]]$inc_dist$p.values$rate_neigh_code_bad
##                               below 2020 poverty line below 2020 median income
## below 2020 poverty line                            NA                       NA
## below 2020 median income                           NA                       NA
## at or above 2020 median income                1.3e-05                       NA
##                               at or above 2020 median income
## below 2020 poverty line                              1.3e-05
## below 2020 median income                                  NA
## at or above 2020 median income                           NA
##
##
##
##
## [[2]]
## [[2]]$borough
## [[2]]$borough$plot
```

26

Rate_neigh_code_good by Borough

Manhattan — 14% 91/639
Bronx — 18% 39/219
Staten Island — 22% 17/77
Queens — 25% 164/650
Brooklyn — 28% 182/659

0%   25%   50%   75%   100%
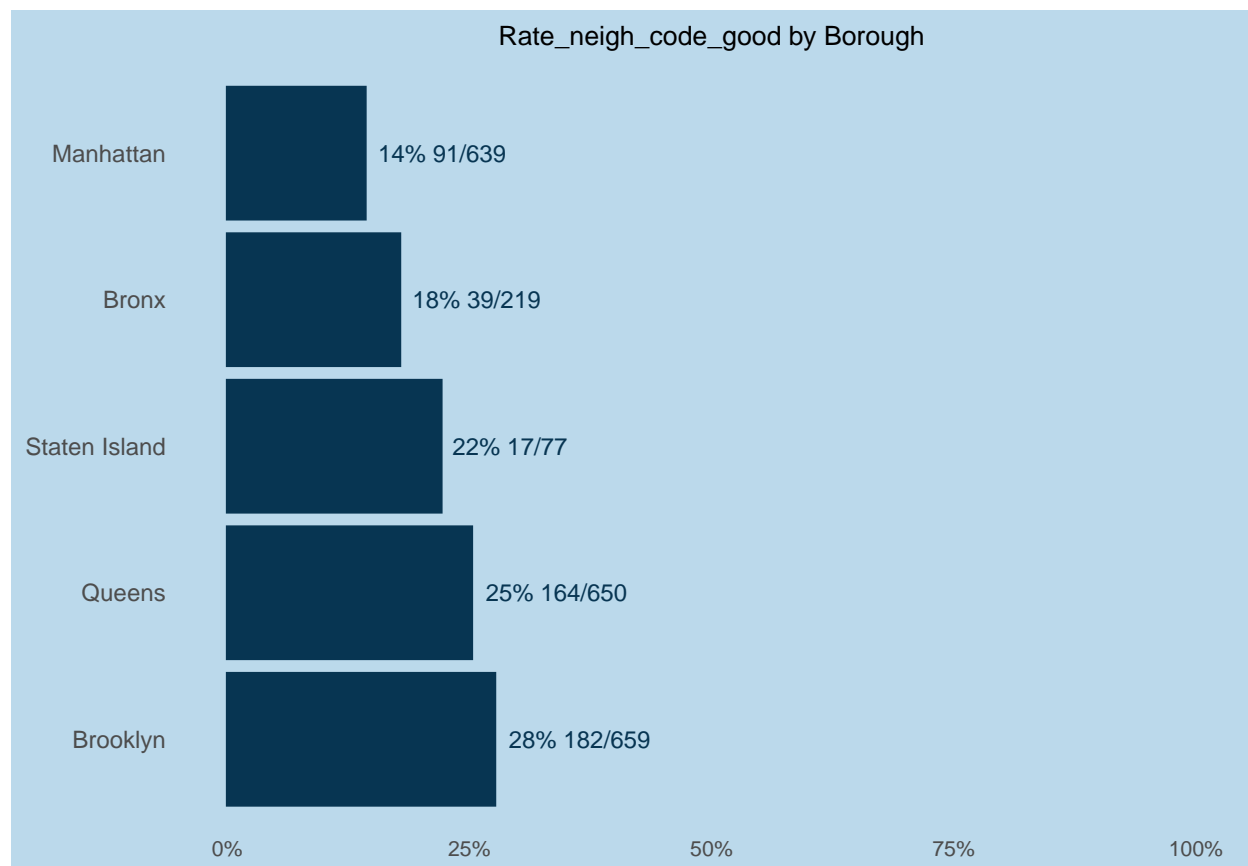
```
## 
## [[2]]$borough$p.values
## [[2]]$borough$p.values$rate_neigh_code_good
##               manhattan bronx staten island queens brooklyn
## manhattan            NA    NA            NA  1e-06  5.1e-09
## bronx                NA    NA            NA     NA  5.0e-03
## staten island        NA    NA            NA     NA       NA
## queens          1.0e-06    NA            NA     NA       NA
## brooklyn        5.1e-09 0.005            NA     NA       NA
## 
## 
## 
## [[2]]$gen
## [[2]]$gen$plot
```

Rate_neigh_code_good by Gen

Prefer Not To Say	8.3% 2/24
Female	19% 282/1466
Non–Binary	24% 4/17
Male	27% 199/728
Transgender	57% 4/7

*Categories with less than 5 responses excluded: 'other'
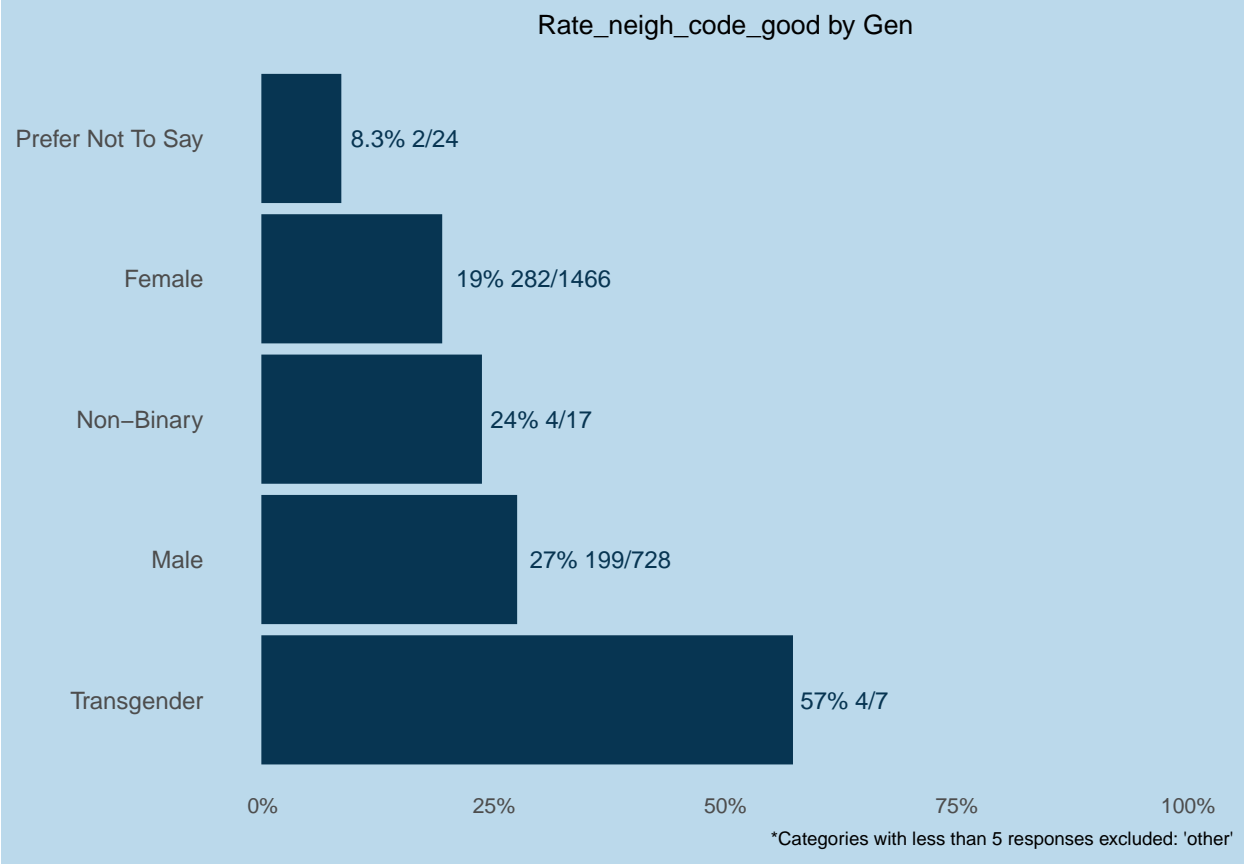
```
## 
## [[2]]$gen$p.values
## [[2]]$gen$p.values$rate_neigh_code_good
##                    prefer not to say female non-binary  male transgender
## prefer not to say                NA     NA         NA    NA          NA
## female                           NA     NA         NA 2e-05          NA
## non-binary                       NA     NA         NA    NA          NA
## male                             NA  2e-05         NA    NA          NA
## transgender                      NA     NA         NA    NA          NA
## 
## 
## 
## [[2]]$race_census
## [[2]]$race_census$plot
```

Rate_neigh_code_good by Race_census

Other — 9.2% 6/65

Two Or More Races — 10% 6/58

Indigenous American — 17% 1/6

White (Non–Hispanic Or Latino) — 20% 148/748

Hispanic Or Latinx — 24% 137/563

Black Or African American — 25% 127/499

Asian — 26% 63/244

*Categories with less than 5 responses excluded: 'native hawaiian or pacific islander'
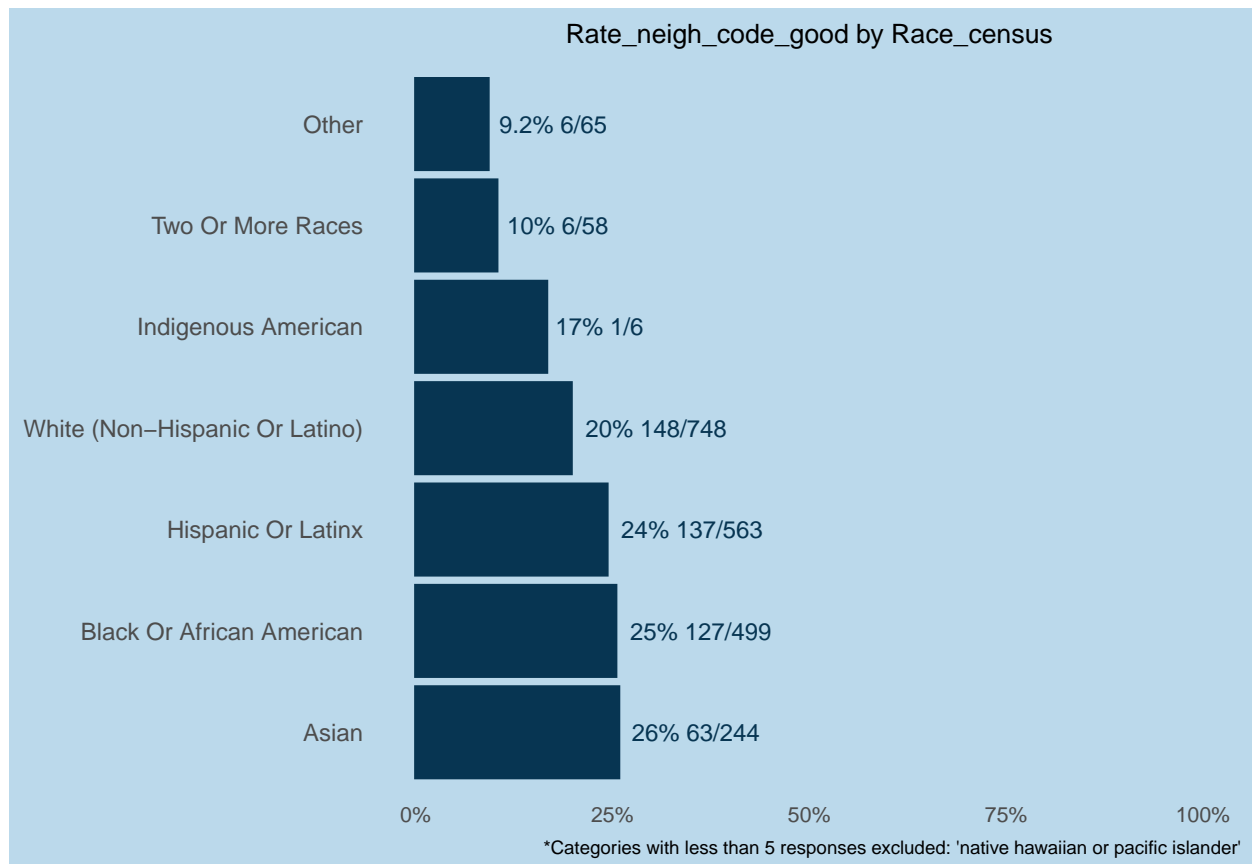
```
## 
## [[2]]$race_census$p.values
## [[2]]$race_census$p.values$rate_neigh_code_good
##                                other two or more races Indigenous American
## other                             NA                NA                  NA
## two or more races                 NA                NA                  NA
## Indigenous American               NA                NA                  NA
## white (non-hispanic or latino)    NA                NA                  NA
## hispanic or latinx            0.0095                NA                  NA
## black or african american     0.0061                NA                  NA
## asian                         0.0072                NA                  NA
##                                white (non-hispanic or latino)
## other                                                      NA
## two or more races                                          NA
## Indigenous American                                        NA
## white (non-hispanic or latino)                             NA
## hispanic or latinx                                         NA
## black or african american                                 NA
## asian                                                      NA
##                                hispanic or latinx black or african american
## other                                      0.0095                    0.0061
## two or more races                              NA                        NA
## Indigenous American                            NA                        NA
## white (non-hispanic or latino)                 NA                        NA
## hispanic or latinx                             NA                        NA
## black or african american                      NA                        NA
```

```
## asian                                             NA                        NA
##                                   asian
## other                           0.0072
## two or more races                  NA
## Indigenous American                NA
## white (non-hispanic or latino)     NA
## hispanic or latinx                 NA
## black or african american          NA
## asian                              NA
##
##
##
## [[2]]$hh_ch_0_17_bi
## [[2]]$hh_ch_0_17_bi$plot
```


Rate_neigh_code_good by Hh_ch_0_17_bi

Household Without Children   19% 274/1412

Household With Children   27% 215/791

0%   25%   50%   75%   100%
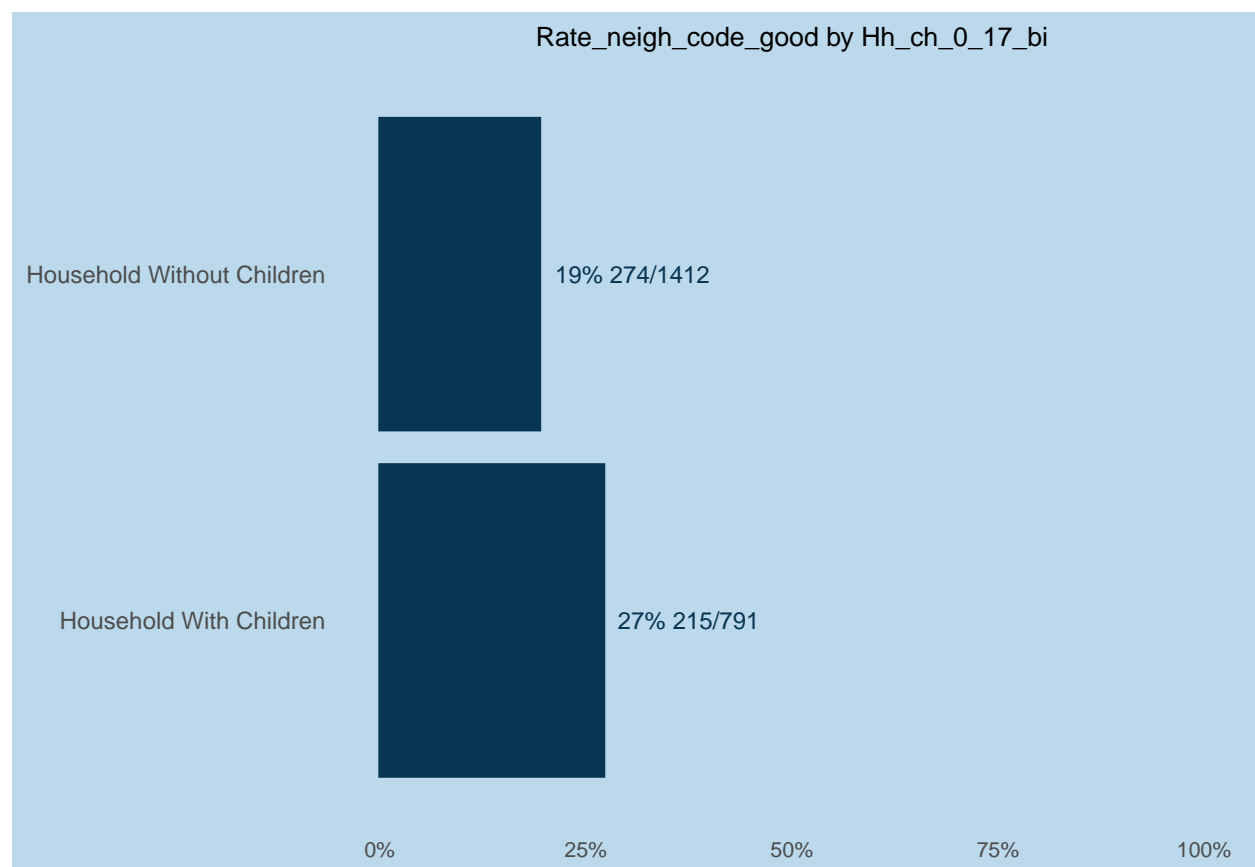
```
##
## [[2]]$hh_ch_0_17_bi$p.values
## [[2]]$hh_ch_0_17_bi$p.values$rate_neigh_code_good
##                          household without children household with children
## household without children                       NA                 3.2e-05
## household with children                      3.2e-05                      NA
##
##
##
## [[2]]$hh_sn_65_bi
```

```
## NULL
##
## [[2]]$inc_dist
## [[2]]$inc_dist$plot
```


Rate_neigh_code_good by Inc_dist

Below 2020 Median Income — 19% 101/544

At Or Above 2020 Median Income — 20% 189/931

Below 2020 Poverty Line — 26% 203/769

0%   25%   50%   75%   100%
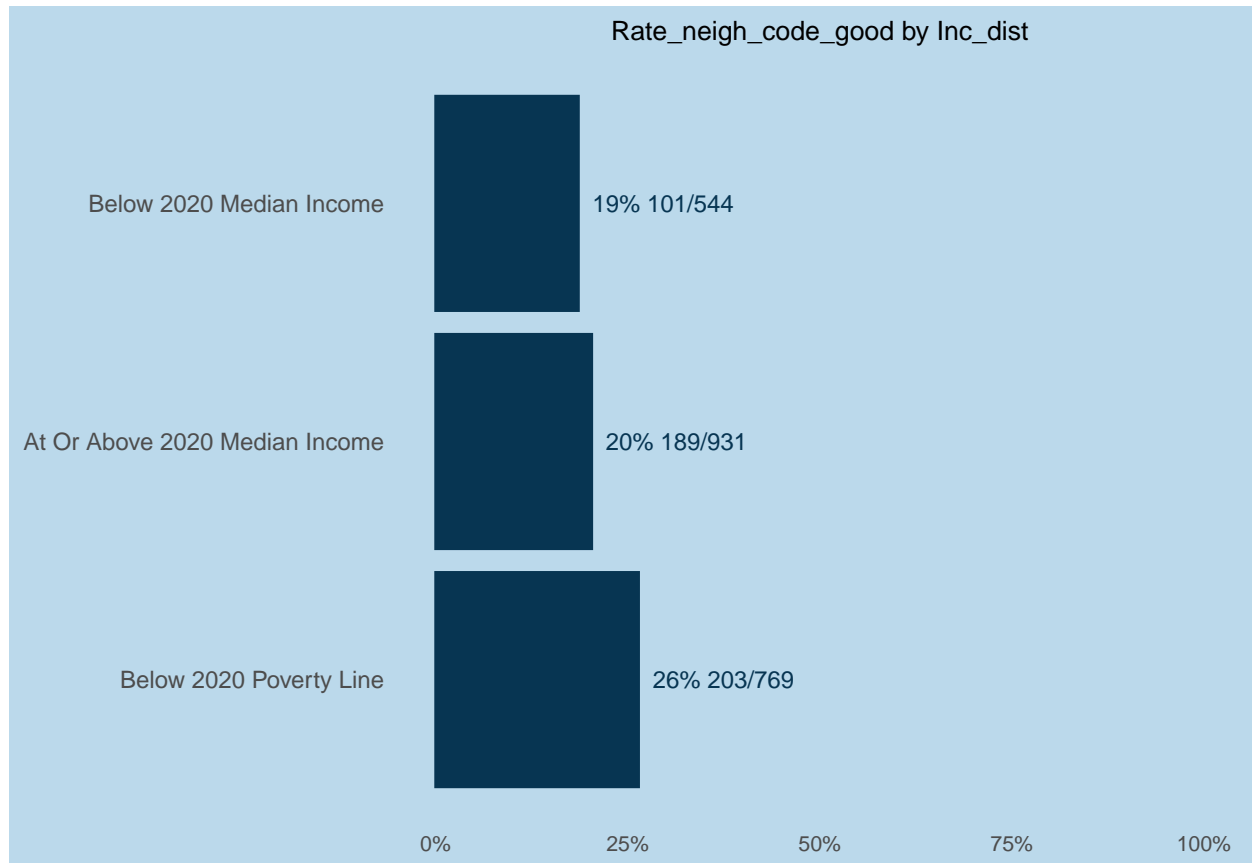
```
##
## [[2]]$inc_dist$p.values
## [[2]]$inc_dist$p.values$rate_neigh_code_good
##                                    below 2020 median income
## below 2020 median income                                 NA
## at or above 2020 median income                           NA
## below 2020 poverty line                             0.0012
##                                at or above 2020 median income
## below 2020 median income                                 NA
## at or above 2020 median income                           NA
## below 2020 poverty line                             0.0036
##                                    below 2020 poverty line
## below 2020 median income                             0.0012
## at or above 2020 median income                      0.0036
## below 2020 poverty line                                  NA
##
##
##
##
## [[3]]
```

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```
## [[3]]$borough
## [[3]]$borough$plot
```
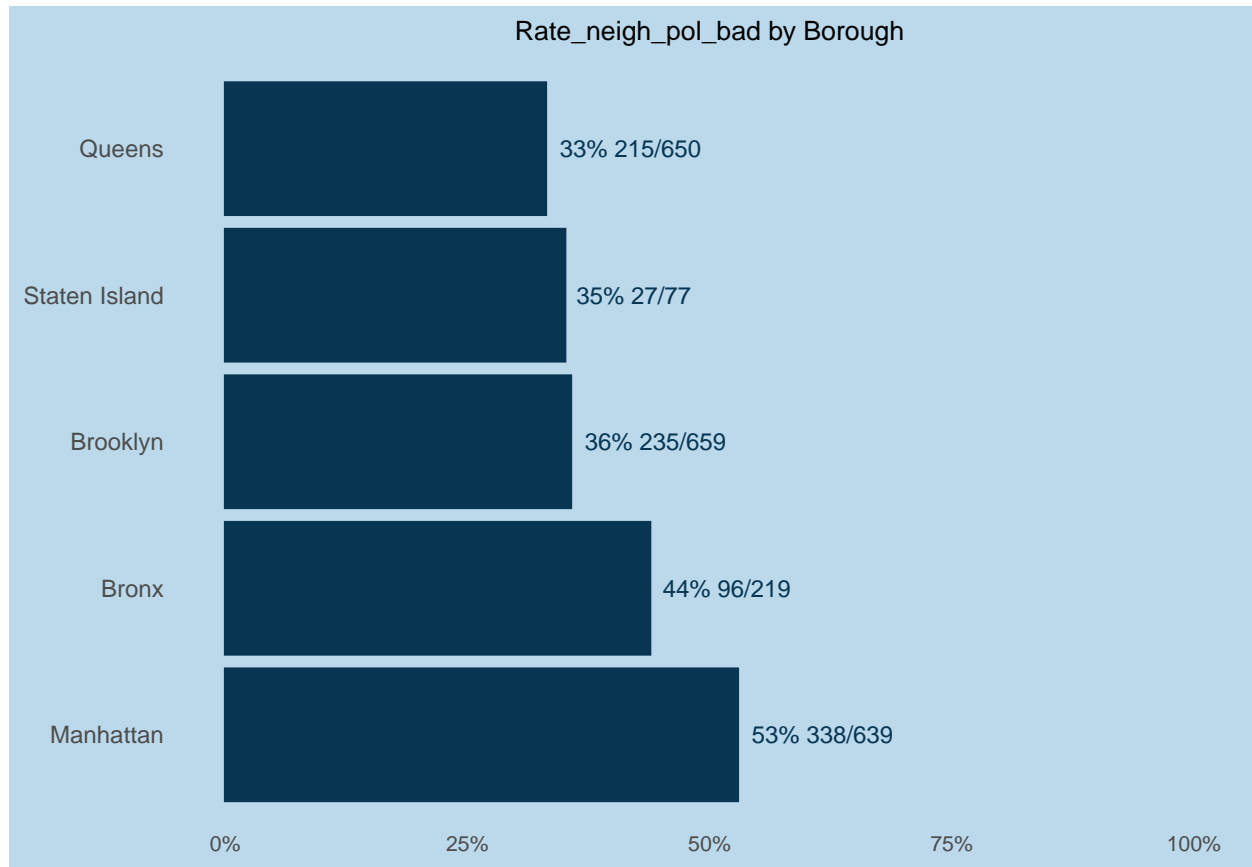


```
##
## [[3]]$borough$p.values
## [[3]]$borough$p.values$rate_neigh_pol_bad
##               queens staten island brooklyn   bronx manhattan
## queens            NA            NA       NA  0.0053   9.9e-13
## staten island     NA            NA       NA      NA   4.6e-03
## brooklyn          NA            NA       NA      NA   5.8e-10
## bronx         5.3e-03           NA       NA      NA        NA
## manhattan     9.9e-13       0.0046  5.8e-10      NA        NA
##
##
##
## [[3]]$gen
## [[3]]$gen$plot
```

Rate_neigh_pol_bad by Gen

Transgender	29% 2/7
Male	34% 250/728
Female	43% 633/1466
Non–Binary	47% 8/17
Prefer Not To Say	75% 18/24

0%   25%   50%   75%   100%

*Categories with less than 5 responses excluded: 'other'
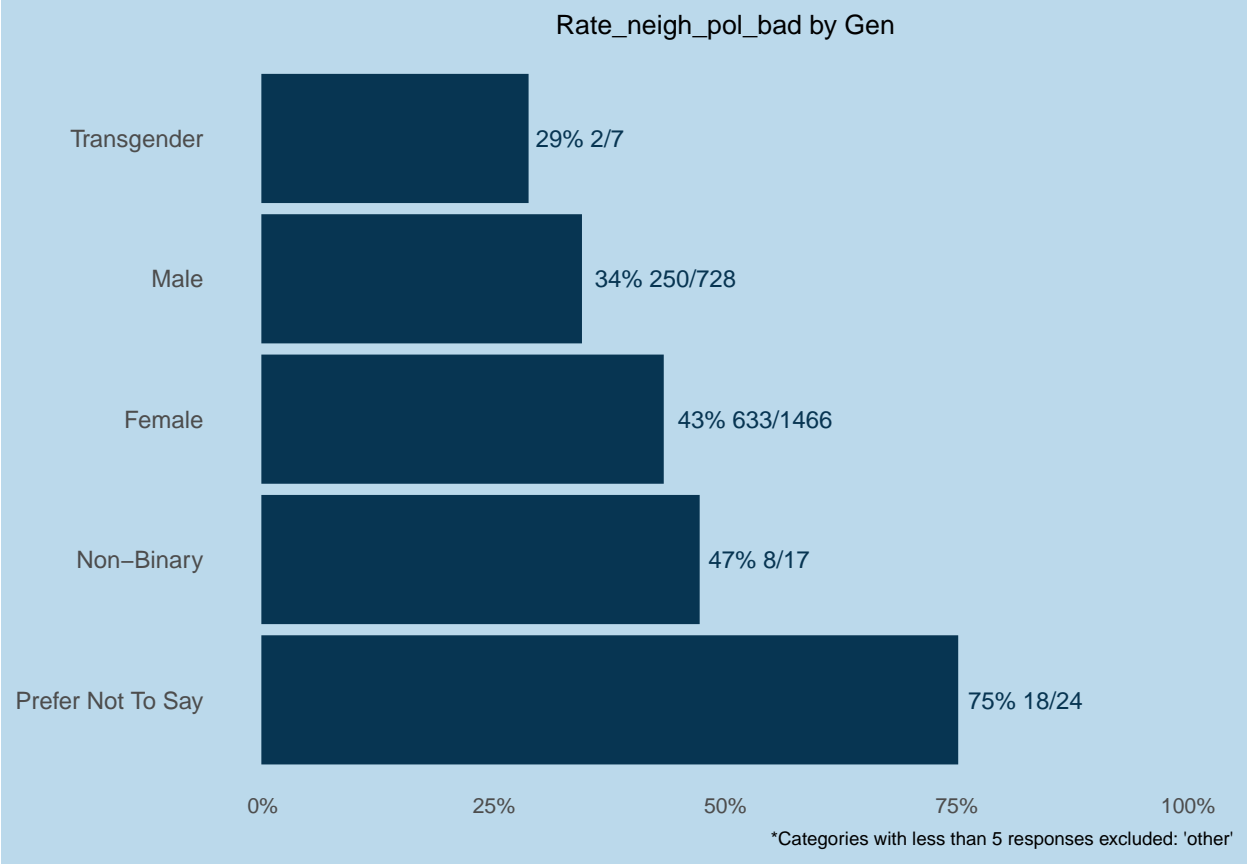
```
##
## [[3]]$gen$p.values
## [[3]]$gen$p.values$rate_neigh_pol_bad
##                   transgender     male   female non-binary prefer not to say
## transgender               NA       NA       NA         NA                NA
## male                      NA       NA 8.5e-05         NA           0.00011
## female                    NA  8.5e-05       NA         NA           0.00360
## non-binary                NA       NA       NA         NA                NA
## prefer not to say         NA 1.1e-04 3.6e-03         NA                NA
##
##
##
## [[3]]$race_census
## [[3]]$race_census$plot
```

Rate_neigh_pol_bad by Race_census

Race	Rate
Asian	34% 82/244
Black Or African American	35% 174/499
Hispanic Or Latinx	39% 217/563
White (Non–Hispanic Or Latino)	45% 337/748
Other	48% 31/65
Indigenous American	50% 3/6
Two Or More Races	59% 34/58

*Categories with less than 5 responses excluded: 'native hawaiian or pacific islander'
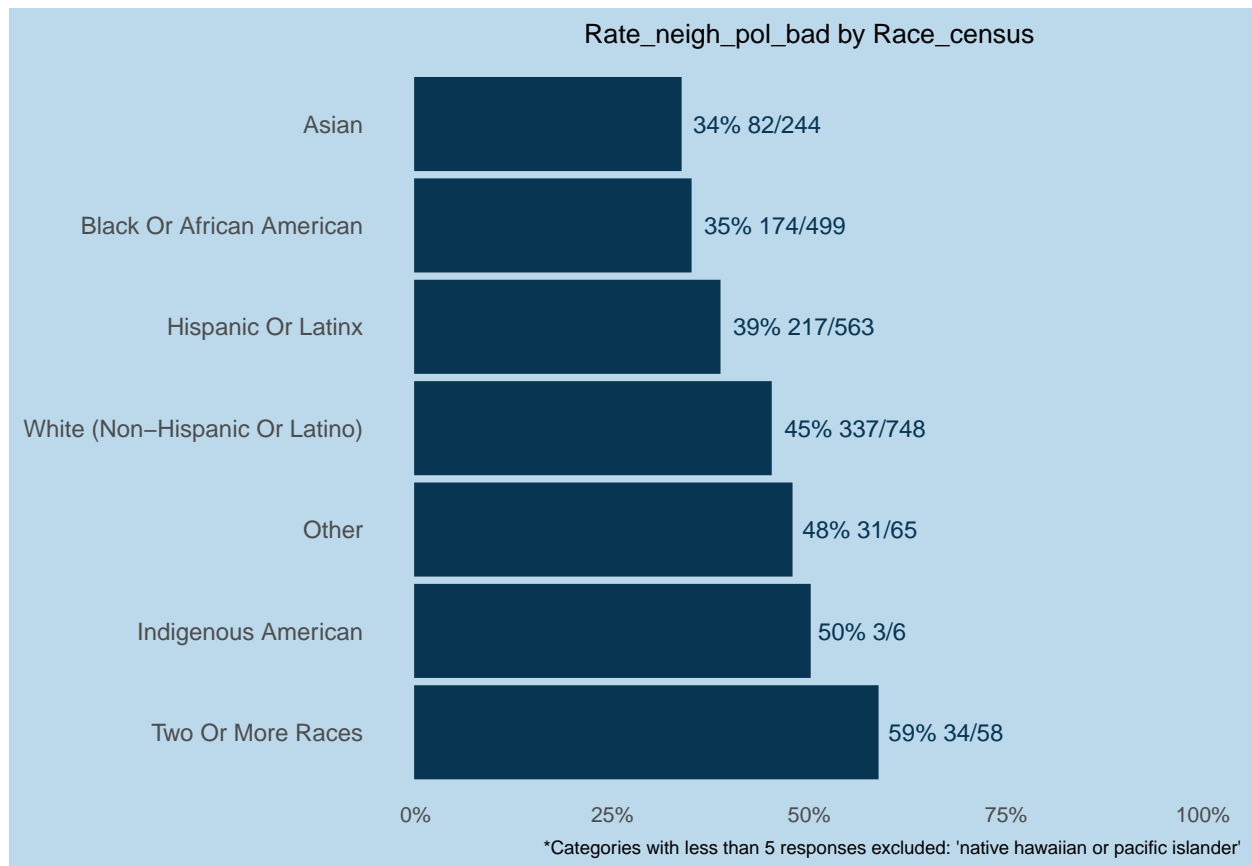
```
##
## [[3]]$race_census$p.values
## [[3]]$race_census$p.values$rate_neigh_pol_bad
##                               asian black or african american
## asian                          NA                          NA
## black or african american     NA                          NA
## hispanic or latinx             NA                          NA
## white (non-hispanic or latino) 0.00210                0.00043
## other                          NA                          NA
## Indigenous American            NA                          NA
## two or more races              0.00075                0.00068
##                               hispanic or latinx
## asian                                         NA
## black or african american                    NA
## hispanic or latinx                           NA
## white (non-hispanic or latino)               NA
## other                                        NA
## Indigenous American                          NA
## two or more races                        0.0047
##                               white (non-hispanic or latino) other
## asian                                                0.00210    NA
## black or african american                            0.00043    NA
## hispanic or latinx                                        NA    NA
## white (non-hispanic or latino)                            NA    NA
## other                                                     NA    NA
## Indigenous American                                       NA    NA
```

```
## two or more races                                           NA     NA
##                               Indigenous American two or more races
## asian                                          NA         0.00075
## black or african american                      NA         0.00068
## hispanic or latinx                             NA         0.00470
## white (non-hispanic or latino)                 NA              NA
## other                                          NA              NA
## Indigenous American                            NA              NA
## two or more races                              NA              NA
##
##
##
## [[3]]$hh_ch_0_17_bi
## [[3]]$hh_ch_0_17_bi$plot
```



```
##
## [[3]]$hh_ch_0_17_bi$p.values
## [[3]]$hh_ch_0_17_bi$p.values$rate_neigh_pol_bad
##                           household with children household without children
## household with children                        NA                      2e-07
## household without children                  2e-07                         NA
##
##
##
## [[3]]$hh_sn_65_bi
```

```
## NULL
##
## [[3]]$inc_dist
## NULL
##
##
## [[4]]
## [[4]]$borough
## [[4]]$borough$plot
```

Rate_neigh_pol_good by Borough

Manhattan	25% 159/639
Bronx	28% 62/219
Queens	39% 252/650
Brooklyn	41% 268/659
Staten Island	43% 33/77

0%   25%   50%   75%   100%
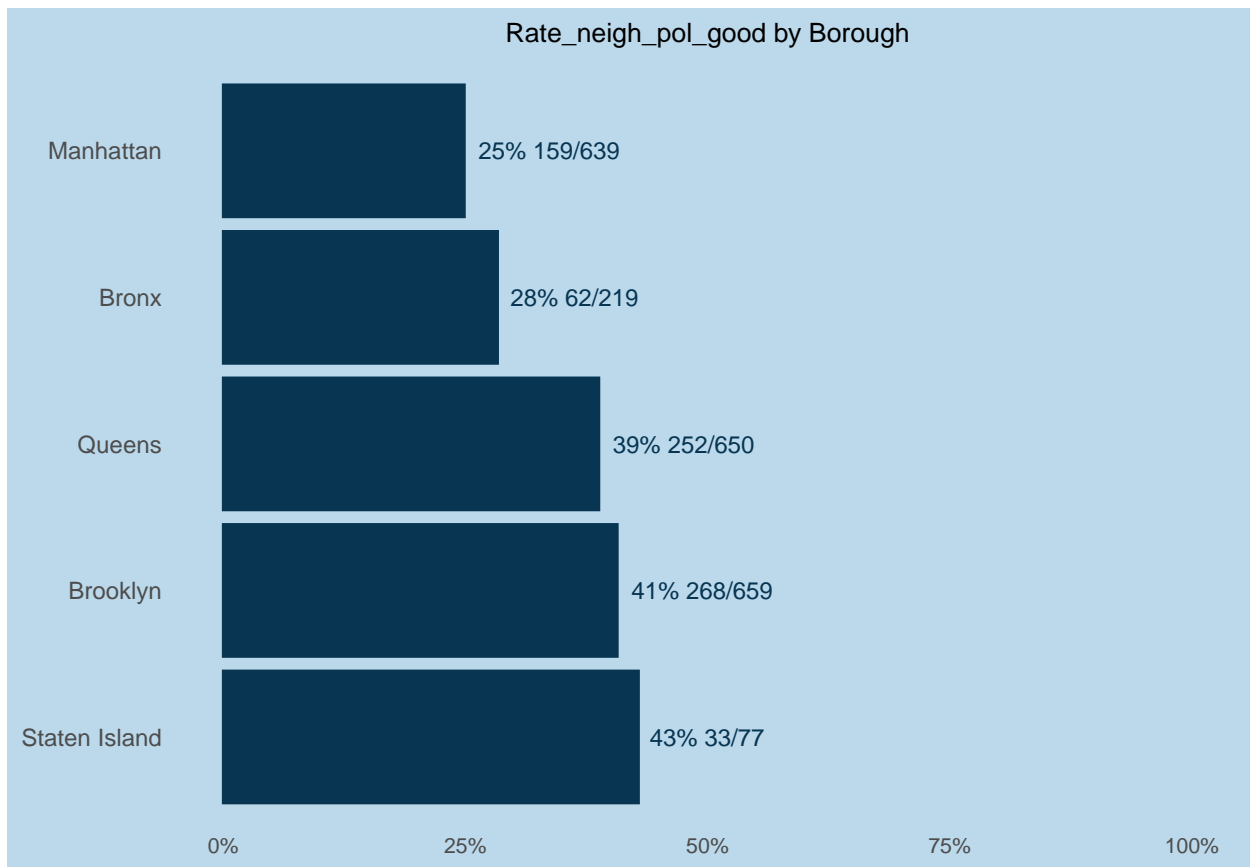
```
##
## [[4]]$borough$p.values
## [[4]]$borough$p.values$rate_neigh_pol_good
##                manhattan  bronx   queens brooklyn staten island
## manhattan            NA     NA 1.2e-07  2.1e-09        0.0012
## bronx                NA     NA 6.8e-03  1.4e-03            NA
## queens          1.2e-07 0.0068      NA       NA            NA
## brooklyn        2.1e-09 0.0014      NA       NA            NA
## staten island   1.2e-03     NA      NA       NA            NA
##
##
##
## [[4]]$gen
## [[4]]$gen$plot
```

Rate_neigh_pol_good by Gen

Prefer Not To Say — 12% 3/24

Non–Binary — 18% 3/17

Female — 32% 469/1466

Male — 40% 294/728

Transgender — 43% 3/7

0%   25%   50%   75%   100%

*Categories with less than 5 responses excluded: 'other'

```
## 
## [[4]]$gen$p.values
## [[4]]$gen$p.values$rate_neigh_pol_good
##                    prefer not to say non-binary  female    male transgender
## prefer not to say                NA         NA      NA      NA          NA
## non-binary                       NA         NA      NA      NA          NA
## female                           NA         NA      NA 0.00012          NA
## male                             NA         NA 0.00012      NA          NA
## transgender                      NA         NA      NA      NA          NA
## 
## 
## 
## [[4]]$race_census
## NULL
## 
## [[4]]$hh_ch_0_17_bi
## [[4]]$hh_ch_0_17_bi$plot
```

Rate_neigh_pol_good by Hh_ch_0_17_bi

Household Without Children — 33% 463/1412

Household With Children — 38% 303/791

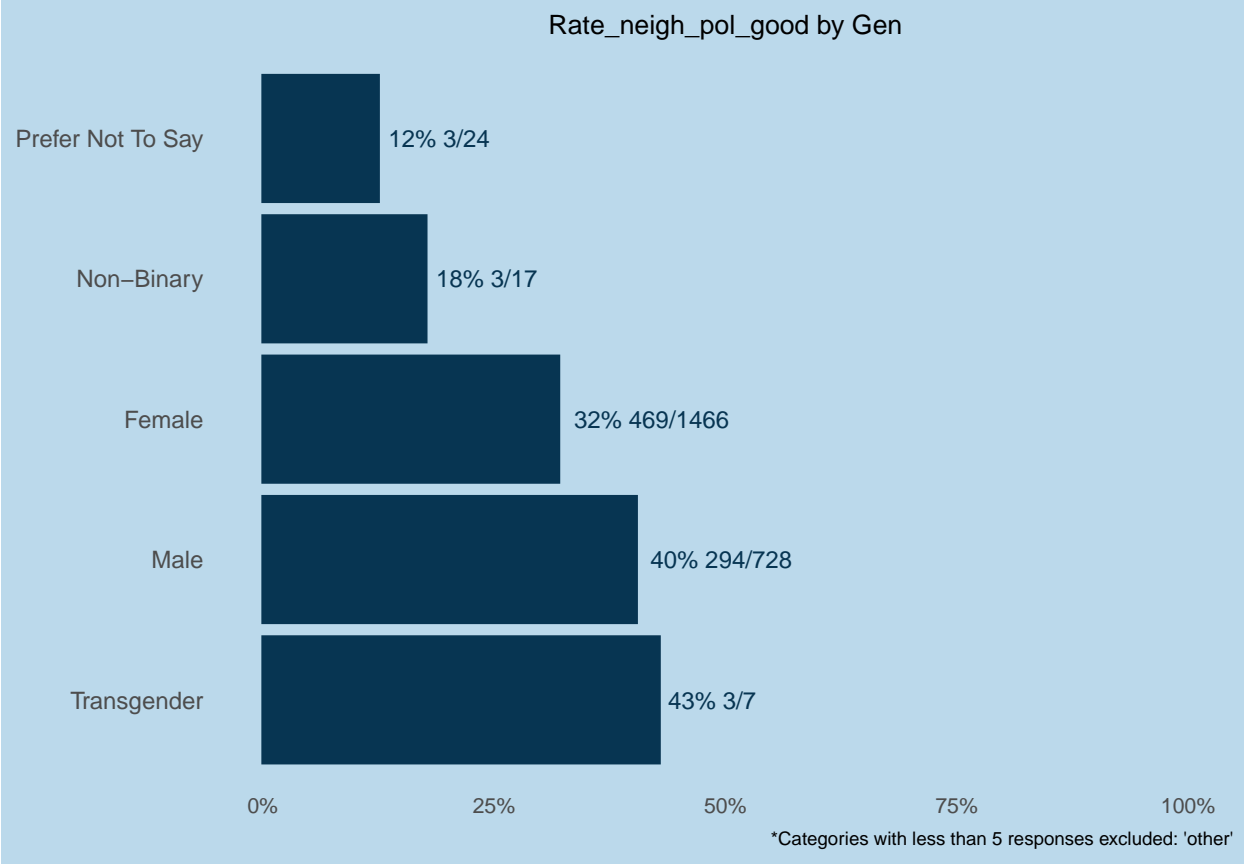0%   25%   50%   75%   100%

```
##
## [[4]]$hh_ch_0_17_bi$p.values
## [[4]]$hh_ch_0_17_bi$p.values$rate_neigh_pol_good
##                                household without children household with children
## household without children                          NA                       0.01
## household with children                           0.01                         NA
##
##
##
## [[4]]$hh_sn_65_bi
## NULL
##
## [[4]]$inc_dist
## NULL
##
##
## [[5]]
## [[5]]$borough
## [[5]]$borough$plot
```
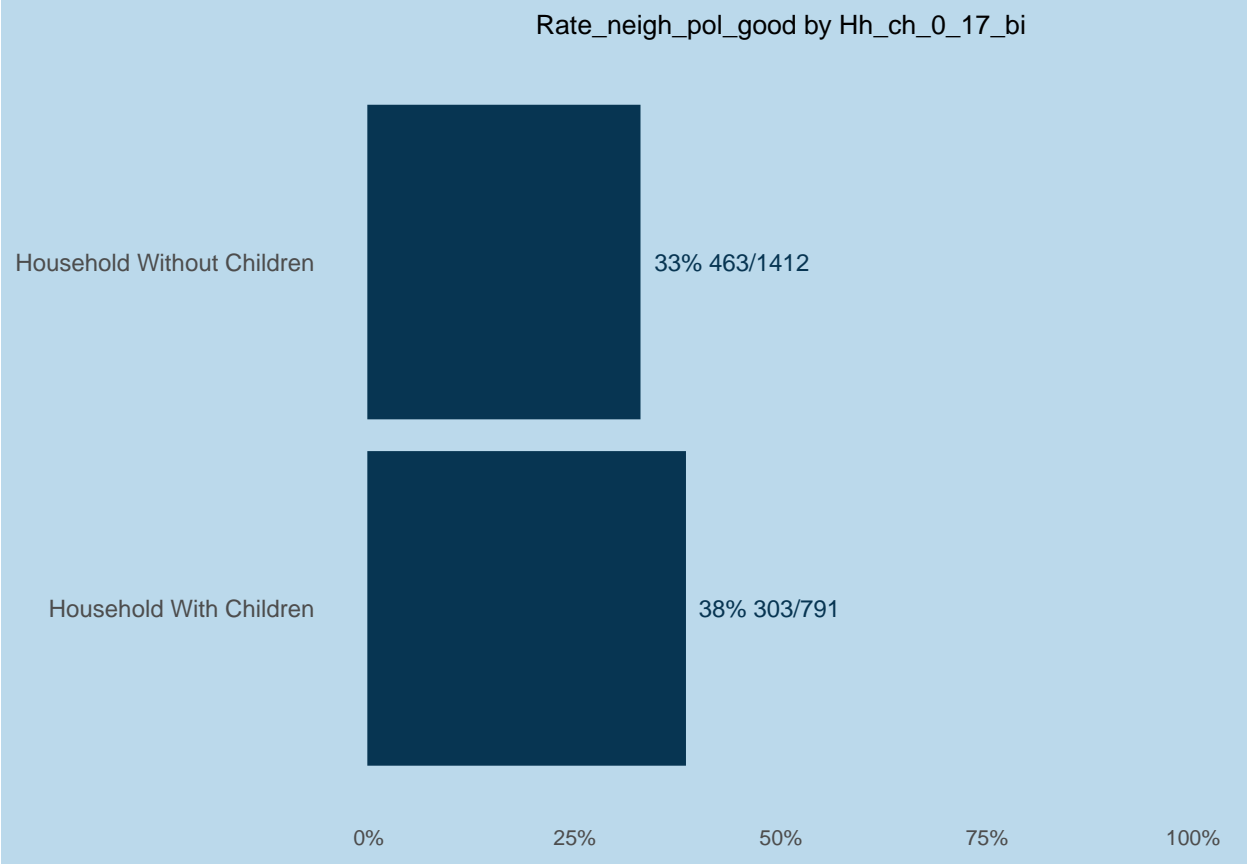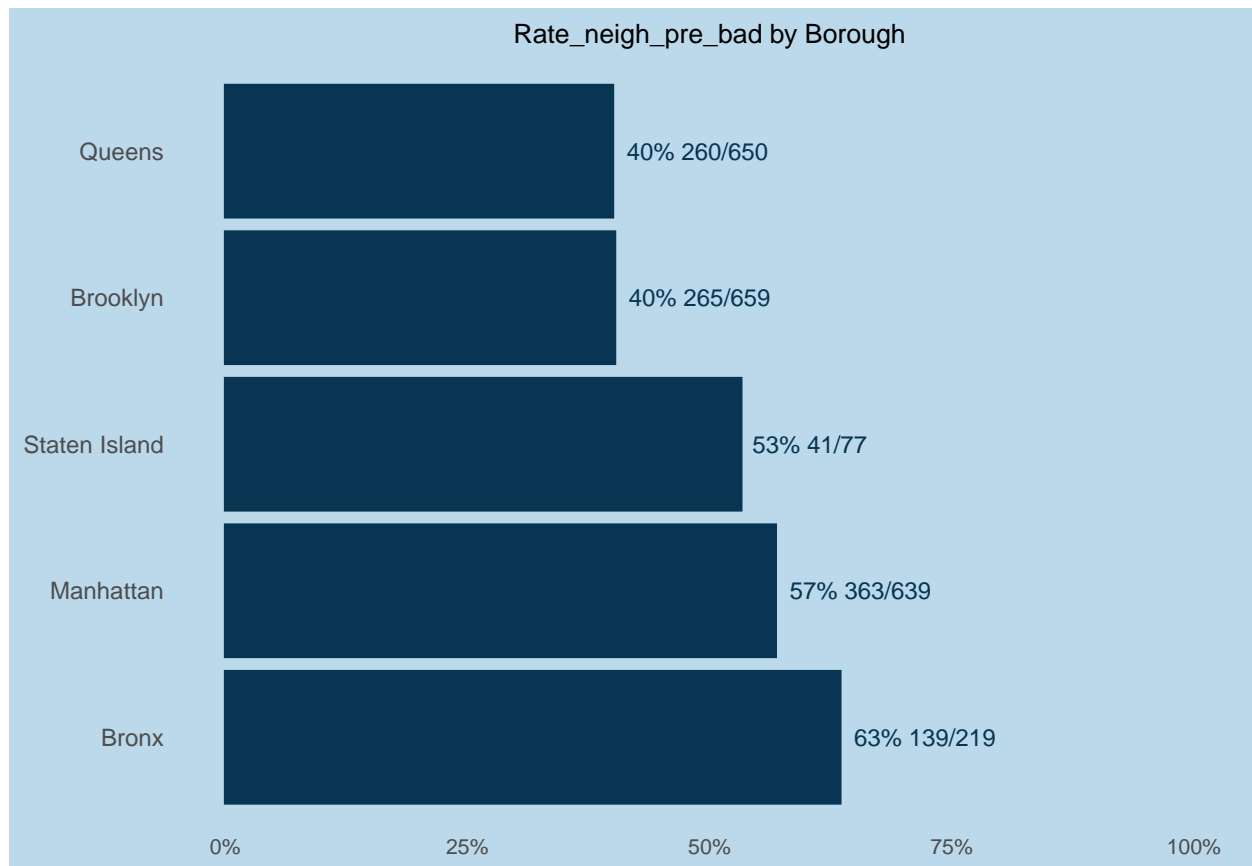
Rate_neigh_pre_bad by Borough

```
##
## [[5]]$borough$p.values
## [[5]]$borough$p.values$rate_neigh_pre_bad
##                queens brooklyn staten island manhattan   bronx
## queens             NA       NA            NA   2.2e-09 2.7e-09
## brooklyn           NA       NA            NA   3.1e-09 3.5e-09
## staten island      NA       NA            NA        NA      NA
## manhattan     2.2e-09  3.1e-09            NA        NA      NA
## bronx         2.7e-09  3.5e-09            NA        NA      NA
##
##
##
## [[5]]$gen
## [[5]]$gen$plot
```

Rate_neigh_pre_bad by Gen

Transgender	29% 2/7
Male	39% 285/728
Non–Binary	47% 8/17
Female	52% 756/1466
Prefer Not To Say	71% 17/24

0%   25%   50%   75%   100%

*Categories with less than 5 responses excluded: 'other'
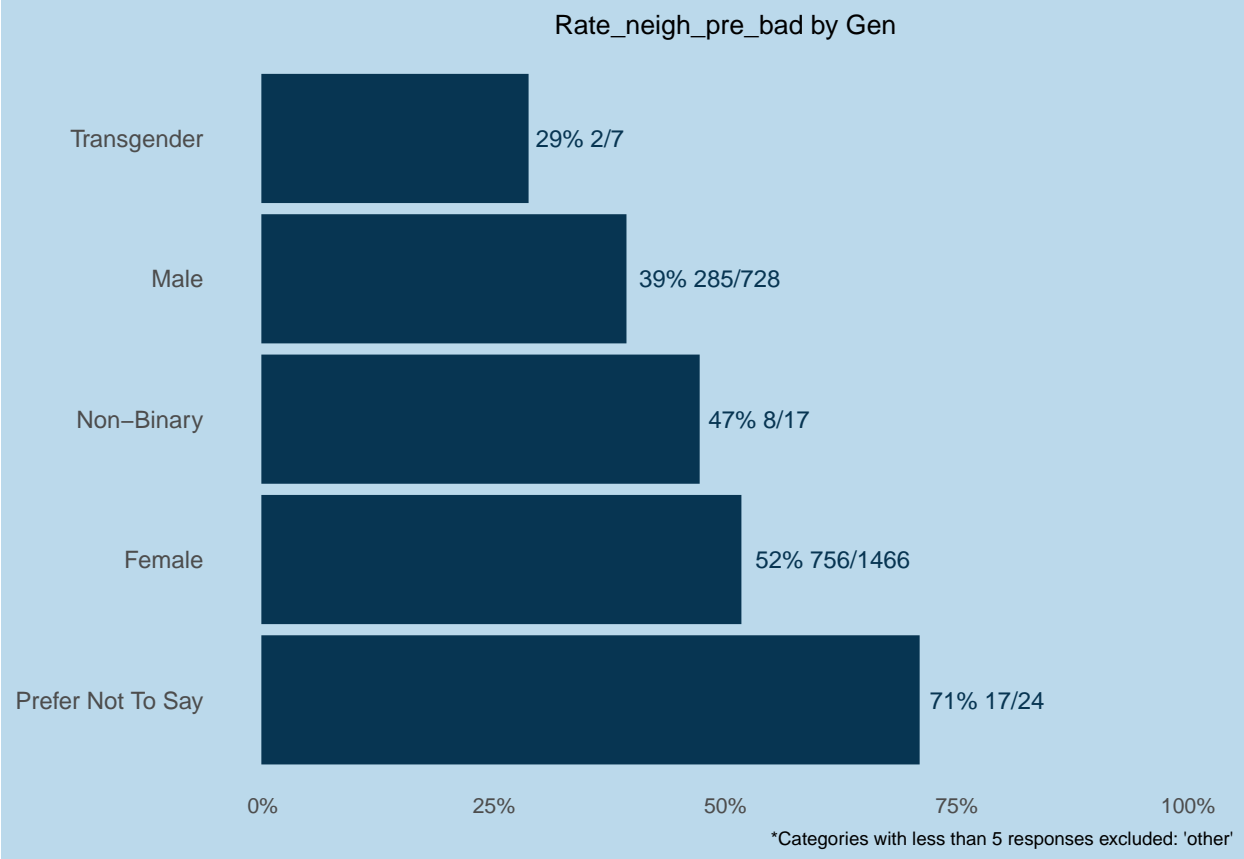
```
## 
## [[5]]$gen$p.values
## [[5]]$gen$p.values$rate_neigh_pre_bad
##                    transgender    male non-binary  female prefer not to say
## transgender                NA      NA         NA      NA                NA
## male                       NA      NA         NA 5.3e-08            0.0037
## non-binary                 NA      NA         NA      NA                NA
## female                     NA 5.3e-08         NA      NA                NA
## prefer not to say          NA 3.7e-03         NA      NA                NA
## 
## 
## 
## [[5]]$race_census
## [[5]]$race_census$plot
```

Rate_neigh_pre_bad by Race_census

Asian		40% 98/244
White (Non–Hispanic Or Latino)		45% 333/748
Black Or African American		46% 231/499
Indigenous American		50% 3/6
Other		51% 33/65
Two Or More Races		53% 31/58
Hispanic Or Latinx		53% 301/563

0%   25%   50%   75%   100%

*Categories with less than 5 responses excluded: 'native hawaiian or pacific islander'
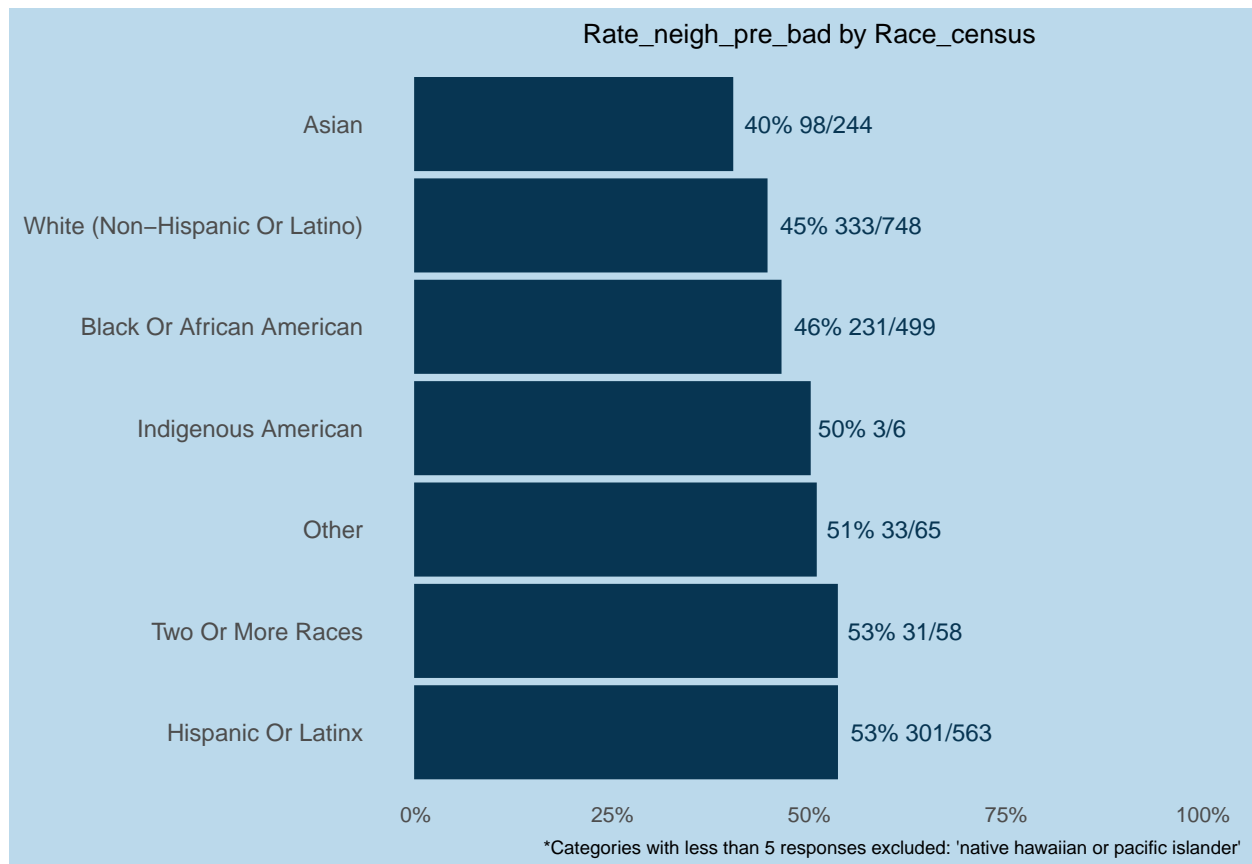
```
##
## [[5]]$race_census$p.values
## [[5]]$race_census$p.values$rate_neigh_pre_bad
##                                  asian white (non-hispanic or latino)
## asian                             NA                             NA
## white (non-hispanic or latino)    NA                             NA
## black or african american        NA                             NA
## Indigenous American               NA                             NA
## other                             NA                             NA
## two or more races                 NA                             NA
## hispanic or latinx           0.00069                         0.0016
##                                  black or african american Indigenous American
## asian                                               NA                   NA
## white (non-hispanic or latino)                      NA                   NA
## black or african american                           NA                   NA
## Indigenous American                                 NA                   NA
## other                                               NA                   NA
## two or more races                                   NA                   NA
## hispanic or latinx                                  NA                   NA
##                                  other two or more races hispanic or latinx
## asian                              NA              NA                0.00069
## white (non-hispanic or latino)     NA              NA                0.00160
## black or african american         NA              NA                     NA
## Indigenous American                NA              NA                     NA
## other                              NA              NA                     NA
## two or more races                  NA              NA                     NA
```

```
## hispanic or latinx                        NA               NA                NA
##
##
## [[5]]$hh_ch_0_17_bi
## NULL
##
## [[5]]$hh_sn_65_bi
## NULL
##
## [[5]]$inc_dist
## [[5]]$inc_dist$plot
```
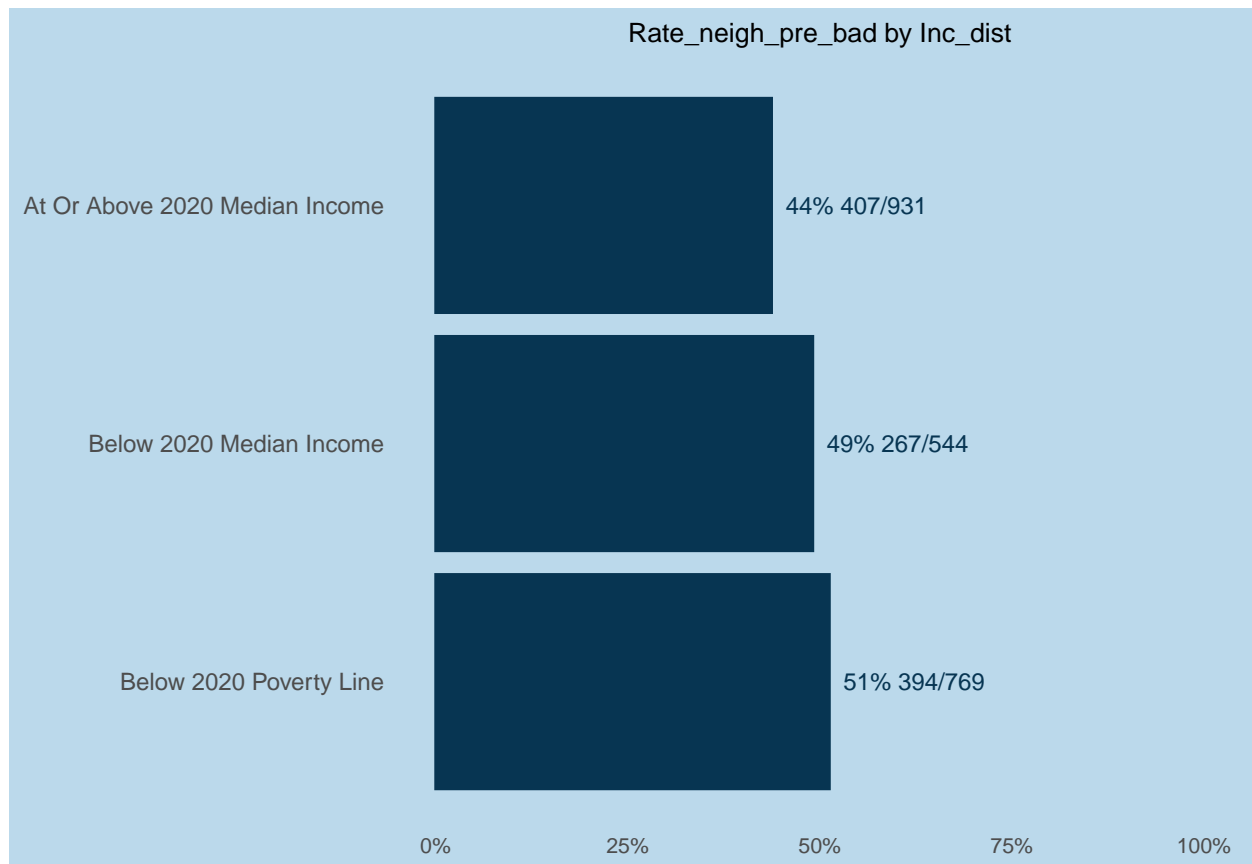


```
##
## [[5]]$inc_dist$p.values
## [[5]]$inc_dist$p.values$rate_neigh_pre_bad
##                                    at or above 2020 median income
## at or above 2020 median income                                 NA
## below 2020 median income                                       NA
## below 2020 poverty line                                    0.0023
##                                    below 2020 median income below 2020 poverty line
## at or above 2020 median income                           NA                   0.0023
## below 2020 median income                                 NA                       NA
## below 2020 poverty line                                  NA                       NA
##
```

```
##
##
##
## [[6]]
## [[6]]$borough
## [[6]]$borough$plot
```

Rate_neigh_pre_good by Borough
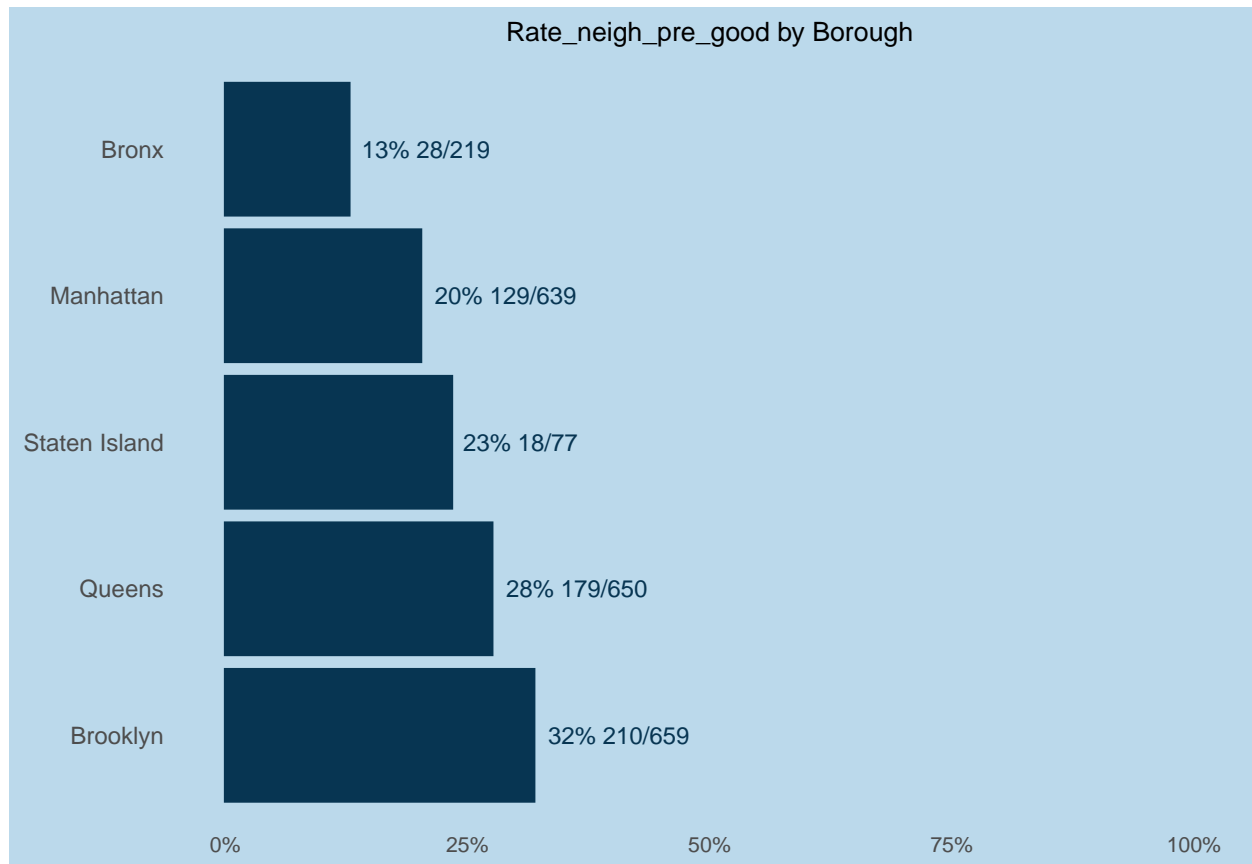

```
##
## [[6]]$borough$p.values
## [[6]]$borough$p.values$rate_neigh_pre_good
##                 bronx manhattan staten island  queens brooklyn
## bronx              NA        NA            NA 1.4e-05  6.1e-08
## manhattan          NA        NA            NA 2.5e-03  2.3e-06
## staten island      NA        NA            NA      NA       NA
## queens        1.4e-05   2.5e-03            NA      NA       NA
## brooklyn      6.1e-08   2.3e-06            NA      NA       NA
##
##
##
## [[6]]$gen
## [[6]]$gen$plot
```

Rate_neigh_pre_good by Gen

Prefer Not To Say — 12% 3/24

Female — 22% 321/1466

Non–Binary — 29% 5/17

Male — 31% 229/728

Transgender — 57% 4/7

0%   25%   50%   75%   100%

*Categories with less than 5 responses excluded: 'other'
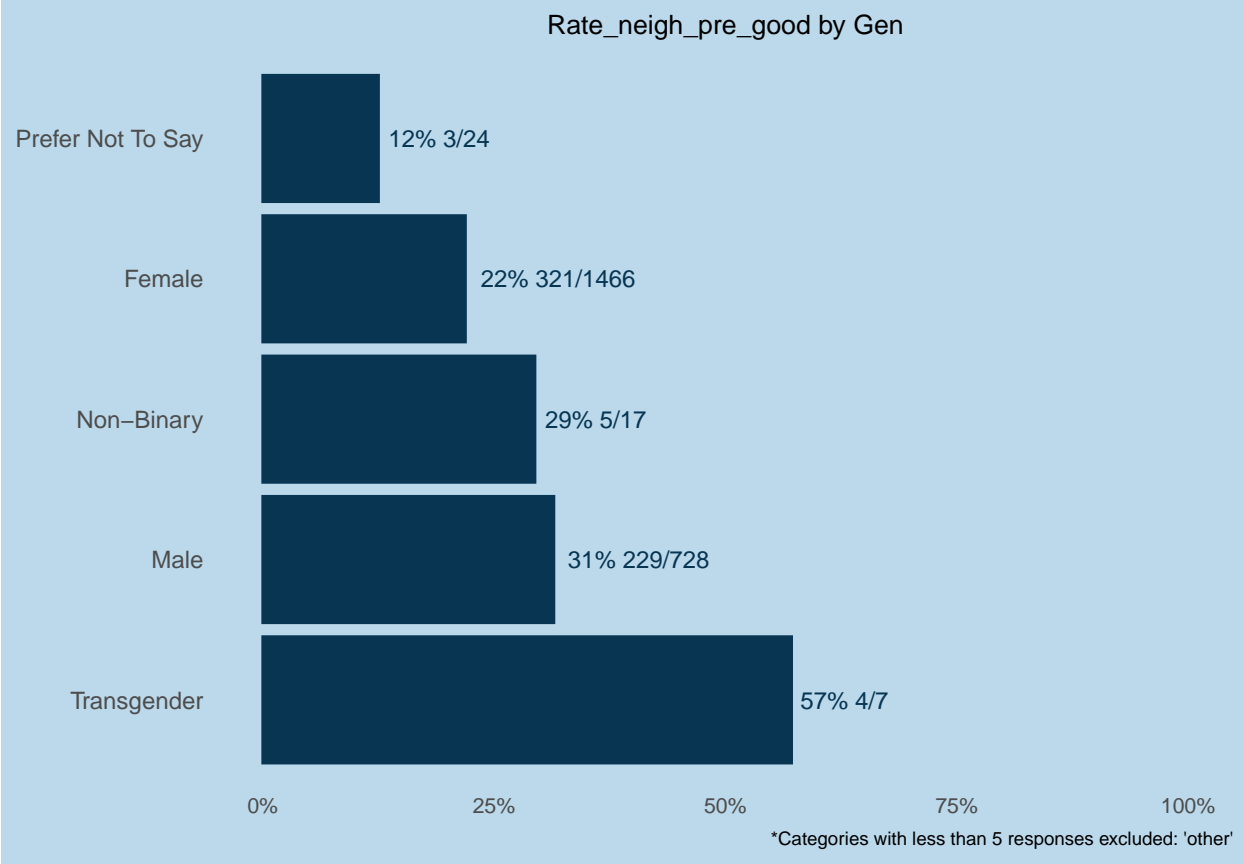
```
##
## [[6]]$gen$p.values
## [[6]]$gen$p.values$rate_neigh_pre_good
##                    prefer not to say  female non-binary    male transgender
## prefer not to say                 NA      NA        NA      NA          NA
## female                            NA      NA        NA 1.5e-06          NA
## non-binary                        NA      NA        NA      NA          NA
## male                              NA 1.5e-06        NA      NA          NA
## transgender                       NA      NA        NA      NA          NA
##
##
##
## [[6]]$race_census
## NULL
##
## [[6]]$hh_ch_0_17_bi
## NULL
##
## [[6]]$hh_sn_65_bi
## NULL
##
## [[6]]$inc_dist
## NULL
##
##
## [[7]]
```

```
## [[7]]$borough
## [[7]]$borough$plot
```


Rate_neigh_pub_bad by Borough

Staten Island	22% 17/77
Queens	28% 181/650
Brooklyn	32% 209/659
Bronx	39% 86/219
Manhattan	49% 311/639

0%   25%   50%   75%   100%
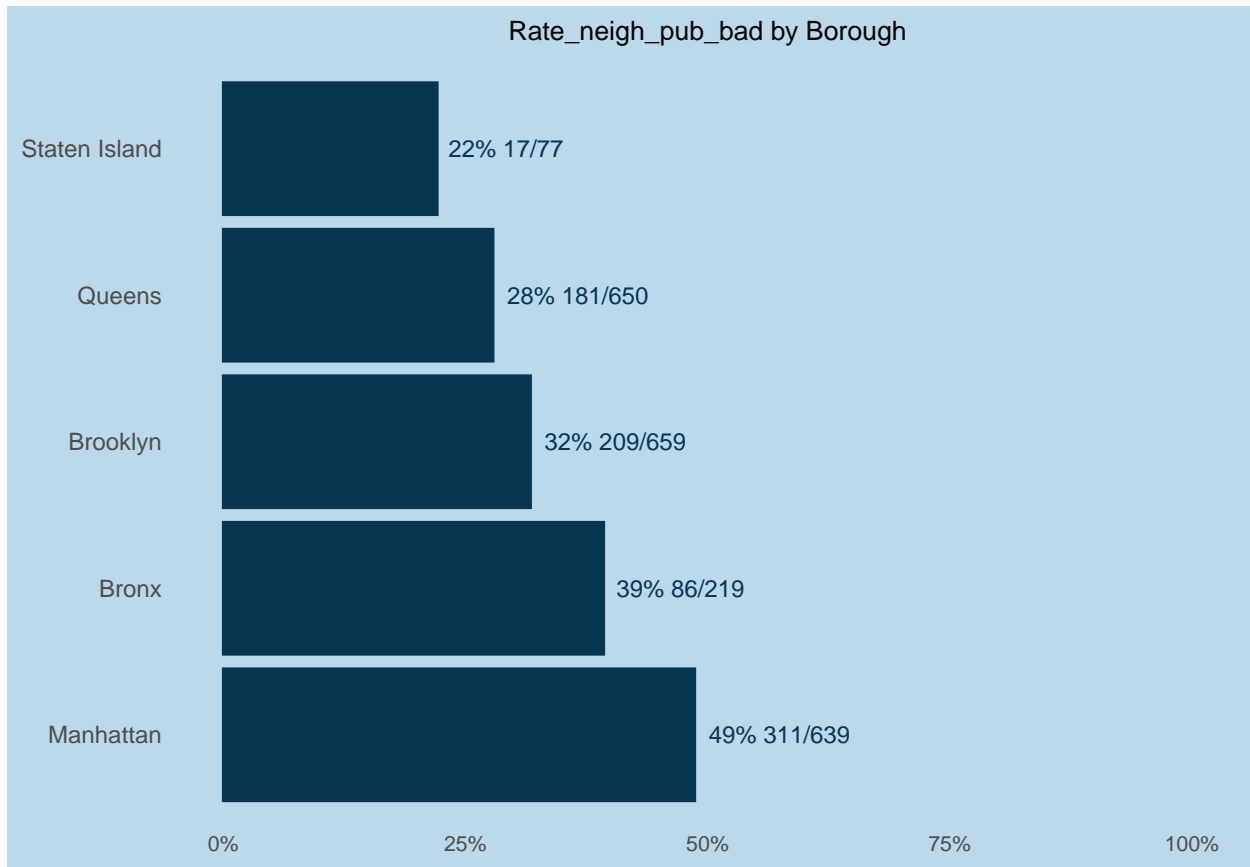
```
##
## [[7]]$borough$p.values
## [[7]]$borough$p.values$rate_neigh_pub_bad
##               staten island  queens brooklyn  bronx manhattan
## staten island            NA      NA       NA 0.0097   1.7e-05
## queens                   NA      NA       NA 0.0020   2.2e-14
## brooklyn                 NA      NA       NA     NA   6.6e-10
## bronx               9.7e-03 2.0e-03       NA     NA        NA
## manhattan           1.7e-05 2.2e-14  6.6e-10     NA        NA
##
##
##
## [[7]]$gen
## [[7]]$gen$plot
```

Rate_neigh_pub_bad by Gen

Transgender — 14% 1/7

Male — 32% 232/728

Non–Binary — 35% 6/17

Female — 38% 550/1466

Prefer Not To Say — 62% 15/24

0%   25%   50%   75%   100%

*Categories with less than 5 responses excluded: 'other'
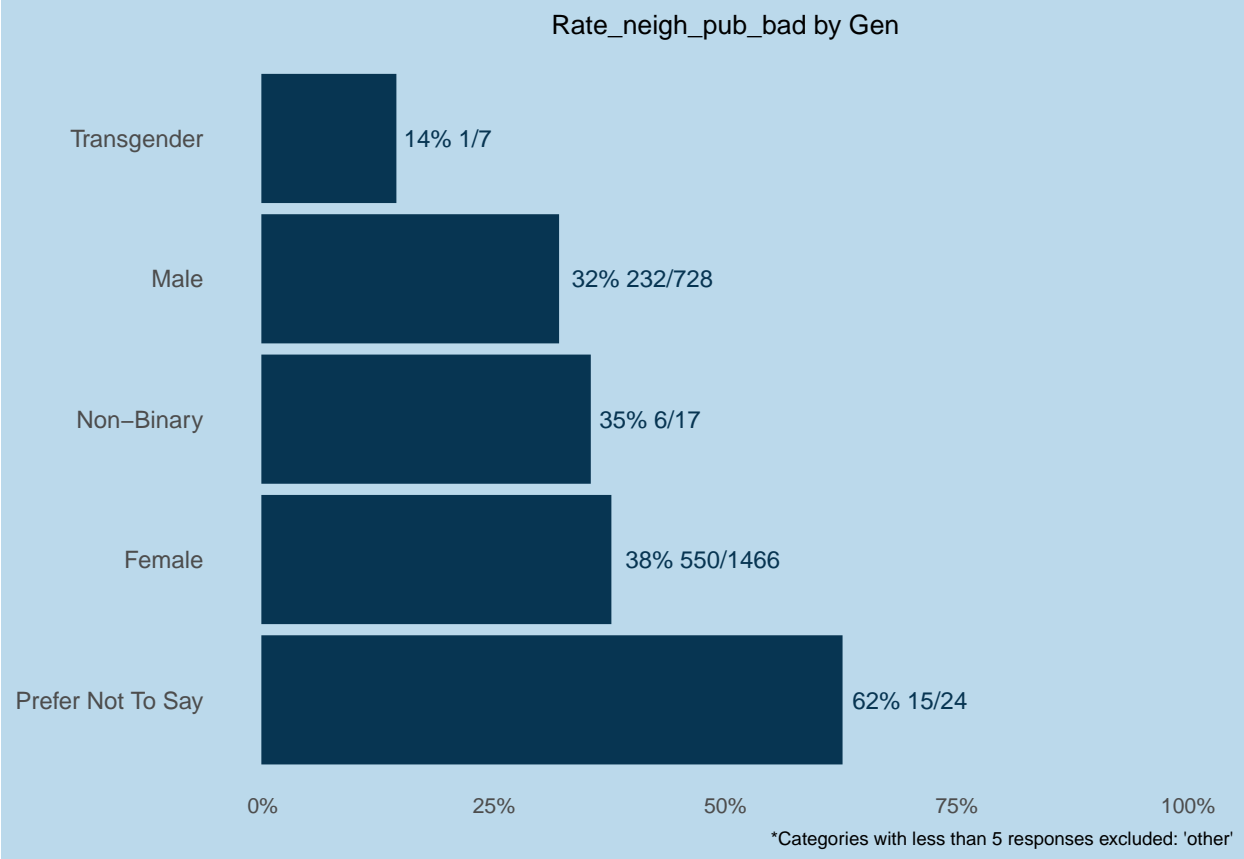
```
##
## [[7]]$gen$p.values
## [[7]]$gen$p.values$rate_neigh_pub_bad
##                   transgender    male non-binary female prefer not to say
## transgender                NA      NA         NA     NA                NA
## male                       NA      NA         NA     NA            0.0035
## non-binary                 NA      NA         NA     NA                NA
## female                     NA      NA         NA     NA                NA
## prefer not to say          NA  0.0035         NA     NA                NA
##
##
##
## [[7]]$race_census
## [[7]]$race_census$plot
```

Rate_neigh_pub_bad by Race_census

Rate_neigh_pub_bad by Race_census

Asian	25% 60/244
Black Or African American	32% 161/499
Hispanic Or Latinx	33% 184/563
White (Non–Hispanic Or Latino)	41% 304/748
Other	43% 28/65
Indigenous American	50% 3/6
Two Or More Races	53% 31/58

*Categories with less than 5 responses excluded: 'native hawaiian or pacific islander'
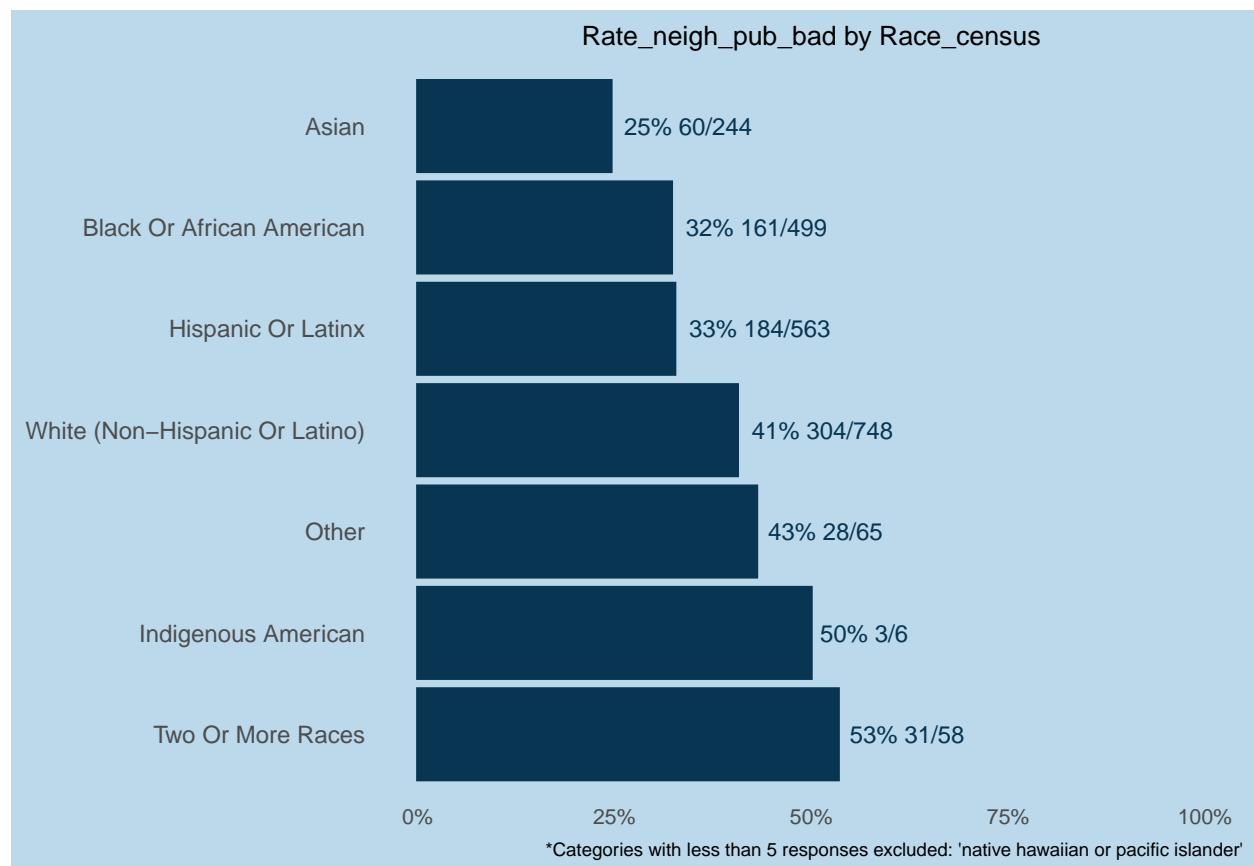
```
##
## [[7]]$race_census$p.values
## [[7]]$race_census$p.values$rate_neigh_pub_bad
##                              asian black or african american
## asian                          NA                         NA
## black or african american      NA                         NA
## hispanic or latinx              NA                         NA
## white (non-hispanic or latino) 9.0e-06                 0.0033
## other                          5.4e-03                     NA
## Indigenous American             NA                         NA
## two or more races              3.4e-05                 0.0022
##                              hispanic or latinx
## asian                                        NA
## black or african american                    NA
## hispanic or latinx                           NA
## white (non-hispanic or latino)           0.0038
## other                                        NA
## Indigenous American                          NA
## two or more races                        0.0025
##                              white (non-hispanic or latino)  other
## asian                                               9.0e-06 0.0054
## black or african american                           3.3e-03     NA
## hispanic or latinx                                  3.8e-03     NA
## white (non-hispanic or latino)                           NA     NA
## other                                                    NA     NA
## Indigenous American                                      NA     NA
```

```
## two or more races                                        NA      NA
##                          Indigenous American two or more races
## asian                                      NA          3.4e-05
## black or african american                 NA          2.2e-03
## hispanic or latinx                         NA          2.5e-03
## white (non-hispanic or latino)             NA              NA
## other                                      NA              NA
## Indigenous American                        NA              NA
## two or more races                          NA              NA
##
##
##
## [[7]]$hh_ch_0_17_bi
## [[7]]$hh_ch_0_17_bi$plot
```
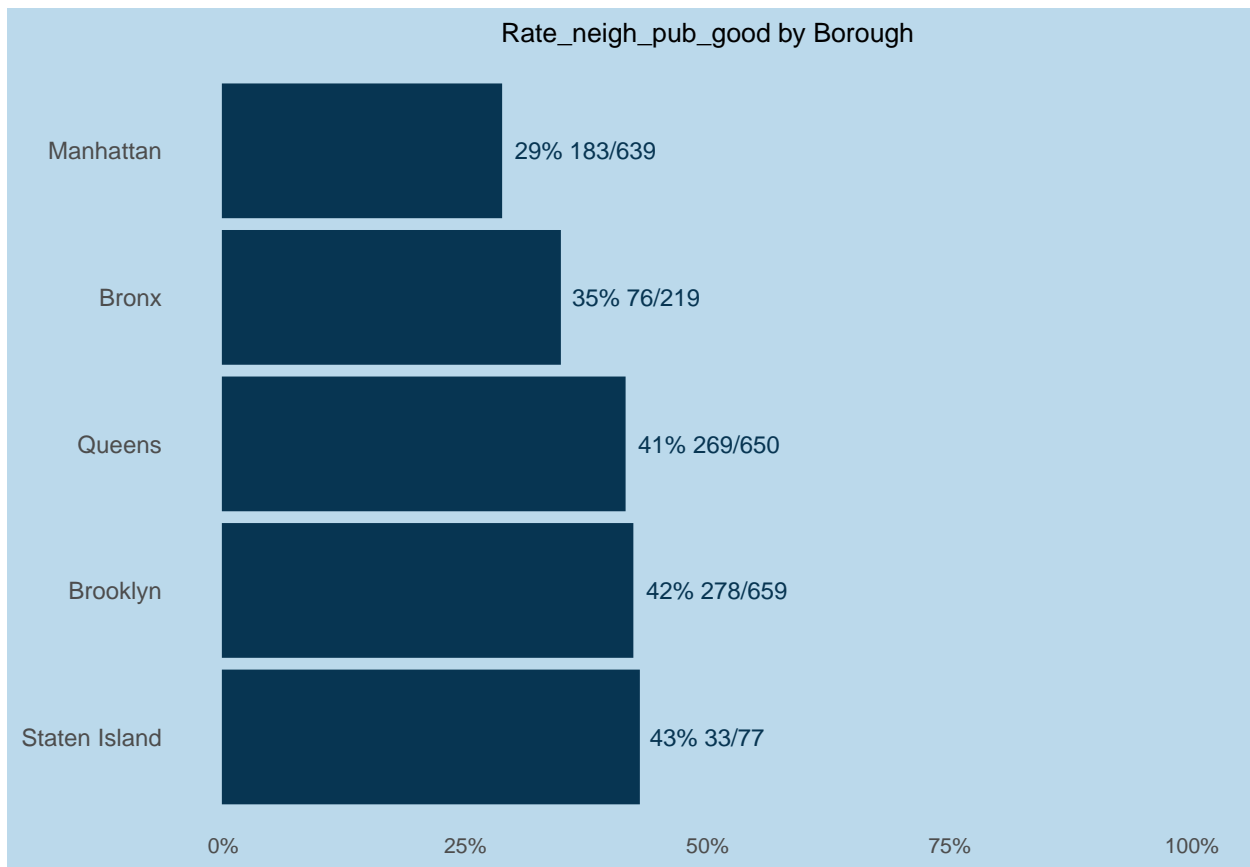

Rate_neigh_pub_bad by Hh_ch_0_17_bi

Household With Children — 26% 208/791

Household Without Children — 41% 578/1412
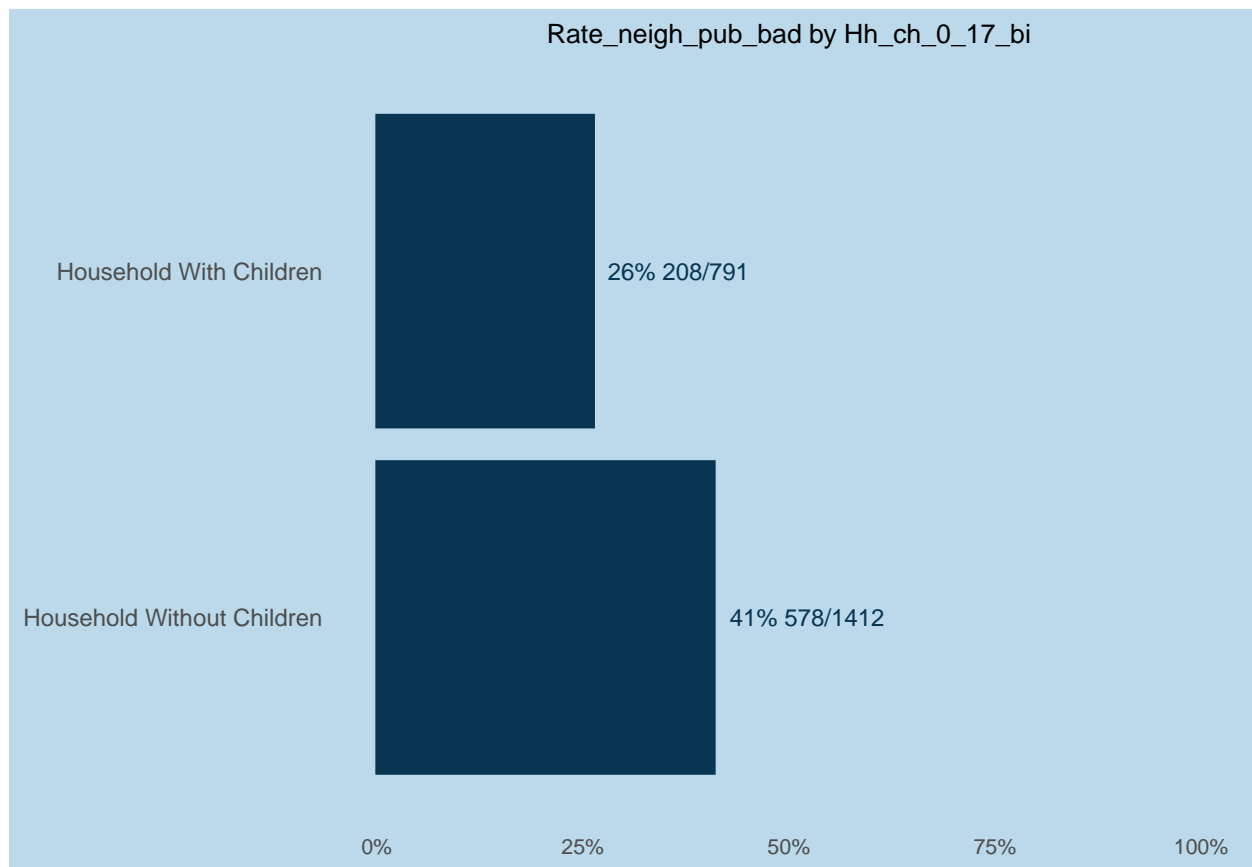
```
##
## [[7]]$hh_ch_0_17_bi$p.values
## [[7]]$hh_ch_0_17_bi$p.values$rate_neigh_pub_bad
##                        household with children household without children
## household with children                     NA                    8.2e-12
## household without children             8.2e-12                         NA
##
##
##
## [[7]]$hh_sn_65_bi
```

```
## NULL
##
## [[7]]$inc_dist
## NULL
##
##
## [[8]]
## [[8]]$borough
## [[8]]$borough$plot
```


Rate_neigh_pub_good by Borough

Manhattan — 29% 183/639
Bronx — 35% 76/219
Queens — 41% 269/650
Brooklyn — 42% 278/659
Staten Island — 43% 33/77

0%   25%   50%   75%   100%

```
##
## [[8]]$borough$p.values
## [[8]]$borough$p.values$rate_neigh_pub_good
##                manhattan bronx  queens brooklyn staten island
## manhattan             NA    NA 2.2e-06  4.6e-07            NA
## bronx                 NA    NA      NA       NA            NA
## queens           2.2e-06    NA      NA       NA            NA
## brooklyn         4.6e-07    NA      NA       NA            NA
## staten island        NA    NA      NA       NA            NA
##
##
##
## [[8]]$gen
## [[8]]$gen$plot
```

Rate_neigh_pub_good by Gen
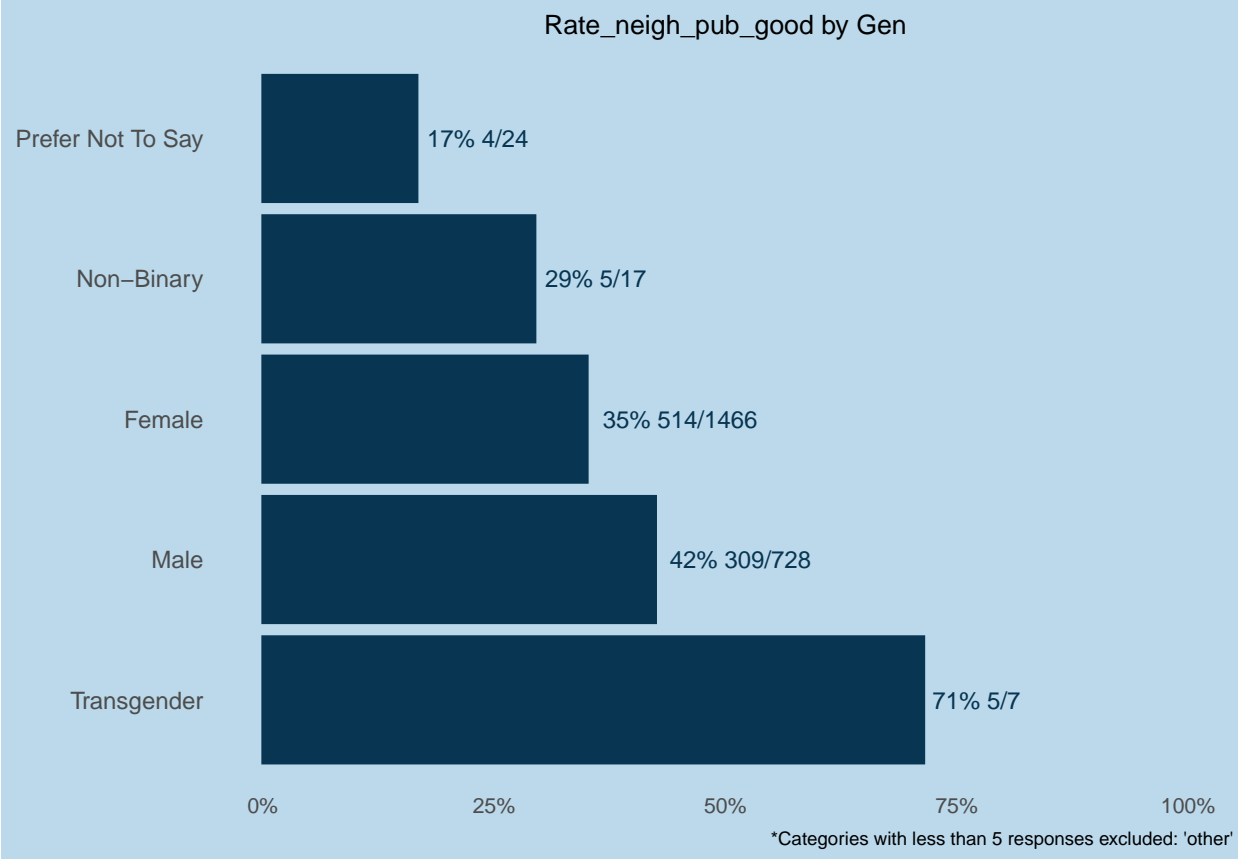
```
##
## [[8]]$gen$p.values
## [[8]]$gen$p.values$rate_neigh_pub_good
##                     prefer not to say non-binary  female     male transgender
## prefer not to say                 NA         NA      NA       NA          NA
## non-binary                        NA         NA      NA       NA          NA
## female                            NA         NA      NA  0.00091          NA
## male                              NA         NA 0.00091      NA          NA
## transgender                       NA         NA      NA       NA          NA
##
##
##
## [[8]]$race_census
## [[8]]$race_census$plot
```

Rate_neigh_pub_good by Race_census

Two Or More Races — 17% 10/58
Indigenous American — 33% 2/6
Other — 34% 22/65
Black Or African American — 36% 180/499
Hispanic Or Latinx — 38% 216/563
White (Non–Hispanic Or Latino) — 40% 297/748
Asian — 41% 101/244

*Categories with less than 5 responses excluded: 'native hawaiian or pacific islander'
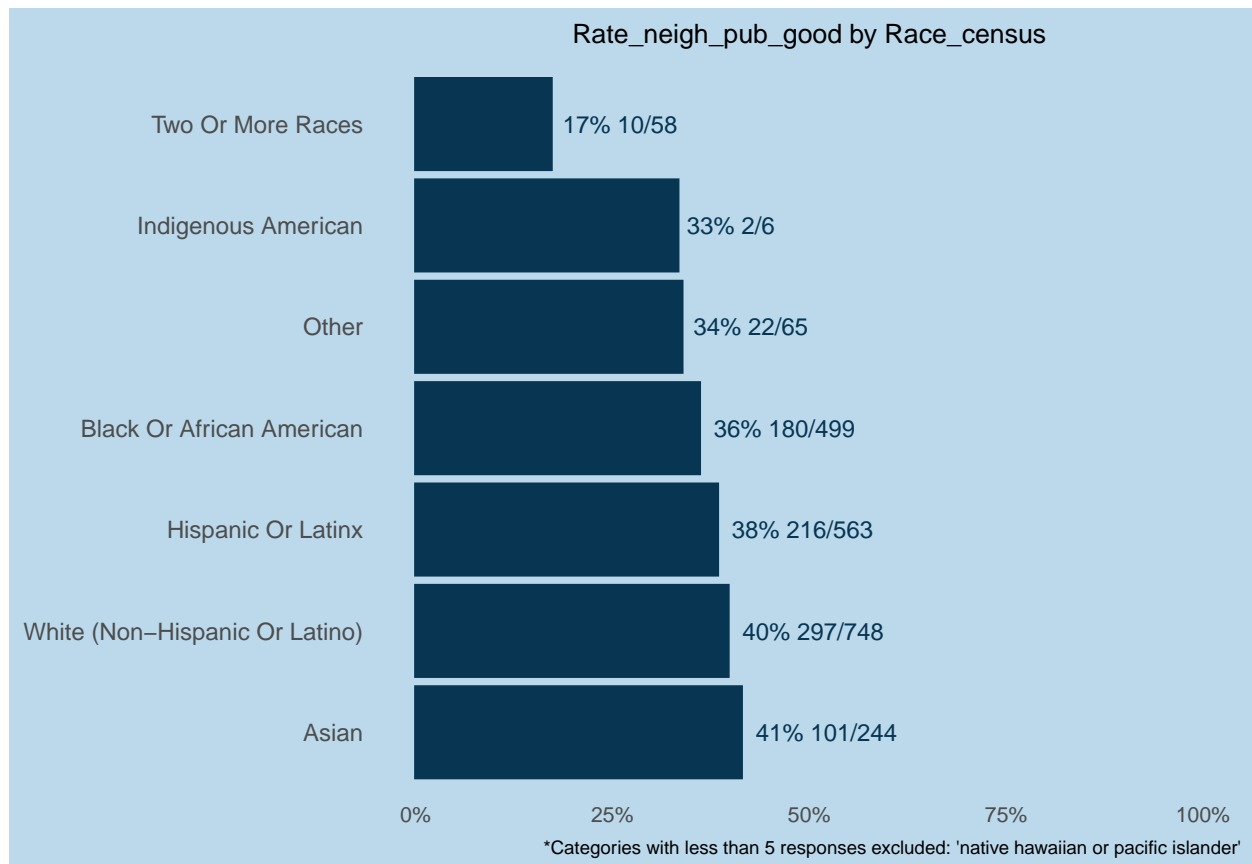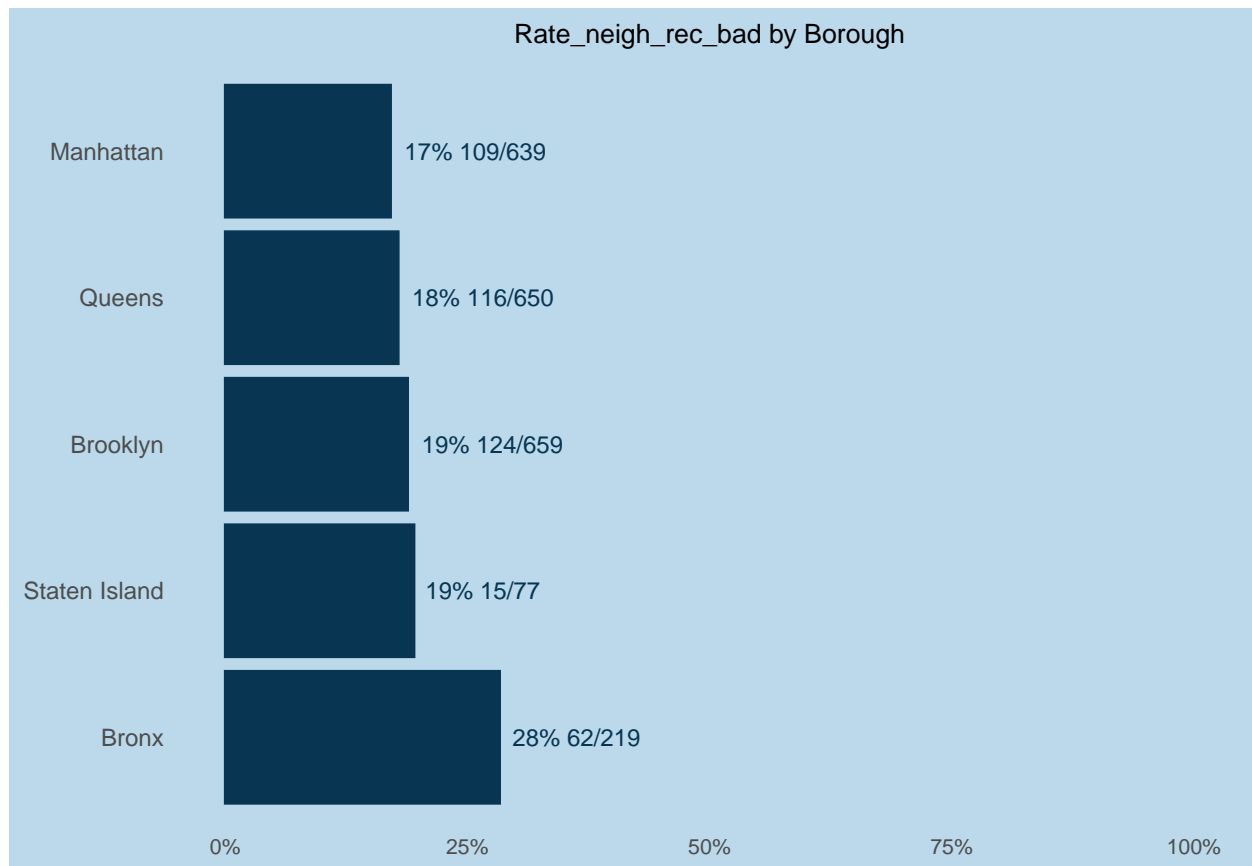
```
##
## [[8]]$race_census$p.values
## [[8]]$race_census$p.values$rate_neigh_pub_good
##                              two or more races Indigenous American other
## two or more races                         NA                   NA    NA
## Indigenous American                       NA                   NA    NA
## other                                     NA                   NA    NA
## black or african american             0.0066                   NA    NA
## hispanic or latinx                     0.0024                   NA    NA
## white (non-hispanic or latino)         0.0011                   NA    NA
## asian                                  0.0010                   NA    NA
##                              black or african american hispanic or latinx
## two or more races                                0.0066             0.0024
## Indigenous American                                  NA                 NA
## other                                                NA                 NA
## black or african american                           NA                 NA
## hispanic or latinx                                   NA                 NA
## white (non-hispanic or latino)                       NA                 NA
## asian                                                NA                 NA
##                              white (non-hispanic or latino) asian
## two or more races                                    0.0011 0.001
## Indigenous American                                      NA    NA
## other                                                    NA    NA
## black or african american                               NA    NA
## hispanic or latinx                                       NA    NA
## white (non-hispanic or latino)                           NA    NA
```

```
## asian                                                              NA     NA
##
##
##
## [[8]]$hh_ch_0_17_bi
## [[8]]$hh_ch_0_17_bi$plot
```
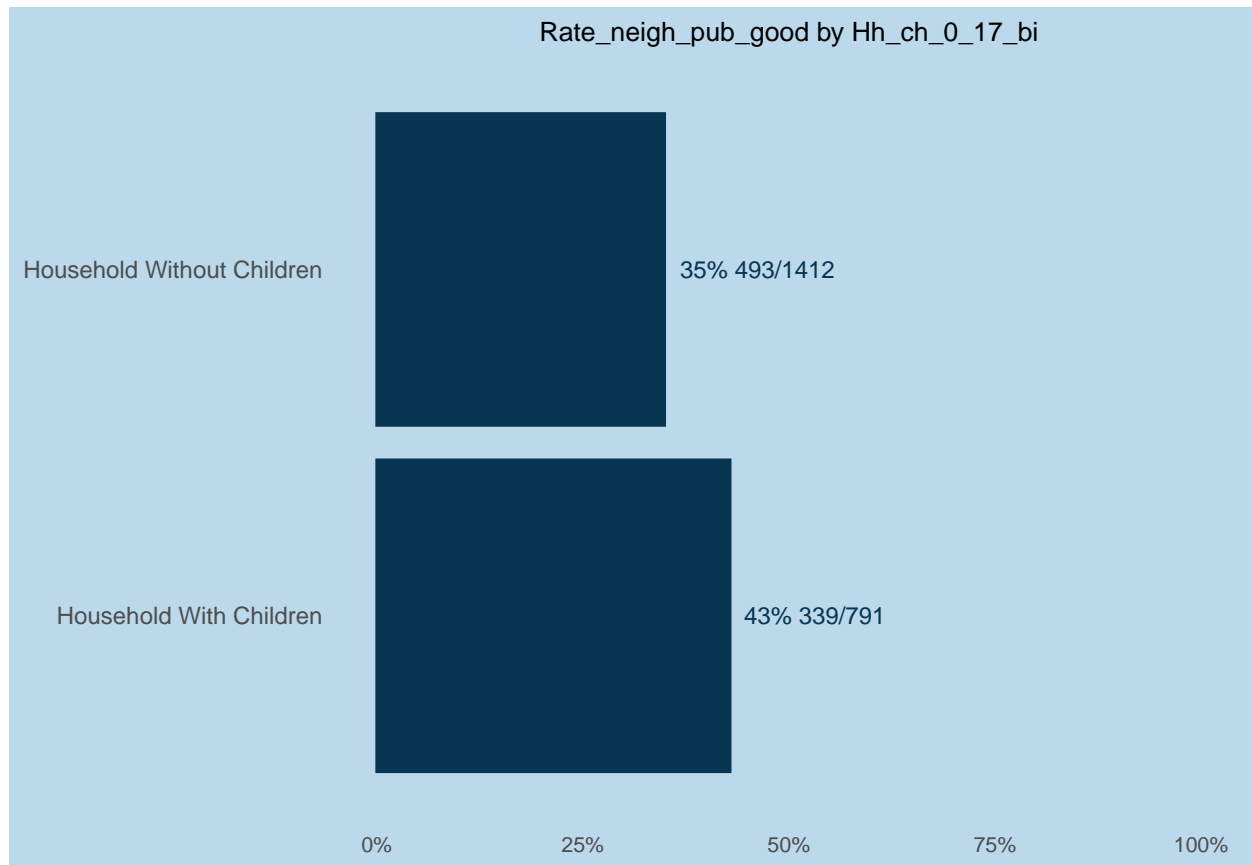


```
##
## [[8]]$hh_ch_0_17_bi$p.values
## [[8]]$hh_ch_0_17_bi$p.values$rate_neigh_pub_good
##                          household without children household with children
## household without children                       NA                 0.00027
## household with children                     0.00027                      NA
##
##
##
## [[8]]$hh_sn_65_bi
## NULL
##
## [[8]]$inc_dist
## NULL
##
##
## [[9]]
## [[9]]$borough
## [[9]]$borough$plot
```

Rate_neigh_rec_bad by Borough

Manhattan   17% 109/639

Queens   18% 116/650

Brooklyn   19% 124/659

Staten Island   19% 15/77

Bronx   28% 62/219

0%   25%   50%   75%   100%

```
## 
## [[9]]$borough$p.values
## [[9]]$borough$p.values$rate_neigh_rec_bad
##               manhattan queens brooklyn staten island   bronx
## manhattan            NA     NA       NA            NA 0.00047
## queens               NA     NA       NA            NA 0.00130
## brooklyn             NA     NA       NA            NA 0.00390
## staten island        NA     NA       NA            NA      NA
## bronx           0.00047 0.0013   0.0039            NA      NA
## 
## 
## 
## [[9]]$gen
## NULL
## 
## [[9]]$race_census
## [[9]]$race_census$plot
```

Rate_neigh_rec_bad by Race_census

Asian	13% 32/244
Two Or More Races	14% 8/58
White (Non–Hispanic Or Latino)	15% 112/748
Indigenous American	17% 1/6
Black Or African American	20% 99/499
Hispanic Or Latinx	25% 143/563
Other	26% 17/65

0%   25%   50%   75%   100%

*Categories with less than 5 responses excluded: 'native hawaiian or pacific islander'
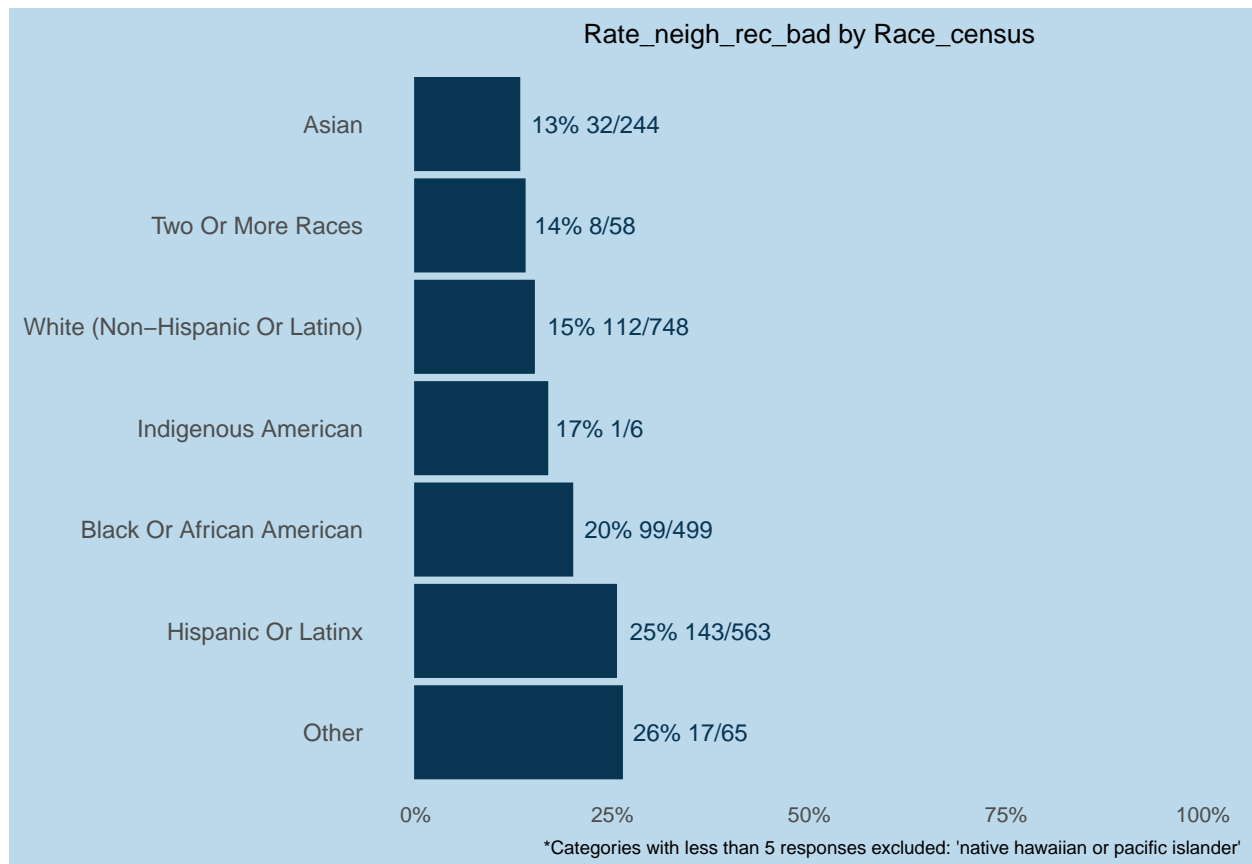
```
##
## [[9]]$race_census$p.values
## [[9]]$race_census$p.values$rate_neigh_rec_bad
##                                asian two or more races
## asian                            NA                NA
## two or more races                NA                NA
## white (non-hispanic or latino)   NA                NA
## Indigenous American              NA                NA
## black or african american       NA                NA
## hispanic or latinx          0.00015                NA
## other                            NA                NA
##                          white (non-hispanic or latino)
## asian                                              NA
## two or more races                                  NA
## white (non-hispanic or latino)                     NA
## Indigenous American                                NA
## black or african american                         NA
## hispanic or latinx                            3.3e-06
## other                                              NA
##                          Indigenous American black or african american
## asian                                     NA                        NA
## two or more races                         NA                        NA
## white (non-hispanic or latino)            NA                        NA
## Indigenous American                       NA                        NA
## black or african american                NA                        NA
## hispanic or latinx                        NA                        NA
```
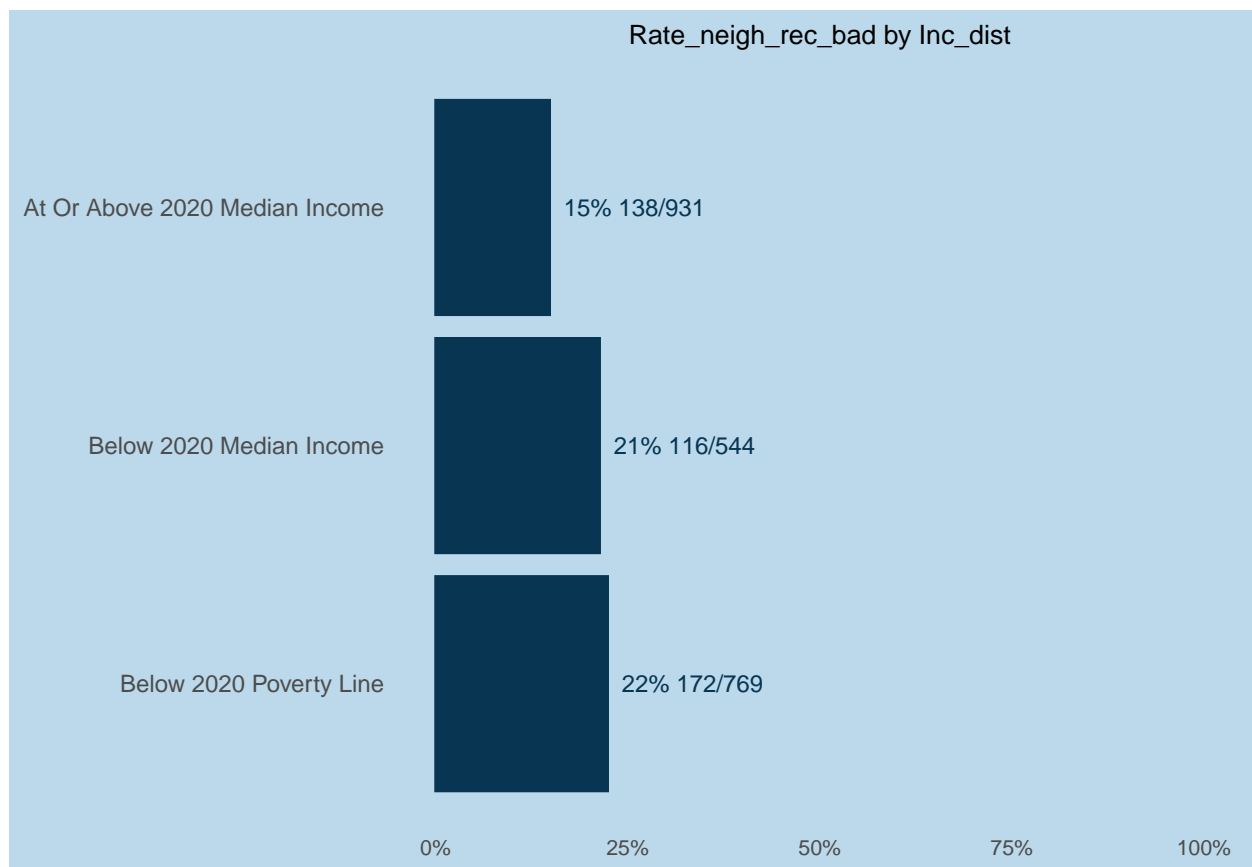
```
## other                                          NA                          NA
##                           hispanic or latinx other
## asian                                 1.5e-04    NA
## two or more races                          NA    NA
## white (non-hispanic or latino)         3.3e-06    NA
## Indigenous American                         NA    NA
## black or african american                   NA    NA
## hispanic or latinx                          NA    NA
## other                                       NA    NA
##
##
##
## [[9]]$hh_ch_0_17_bi
## NULL
##
## [[9]]$hh_sn_65_bi
## NULL
##
## [[9]]$inc_dist
## [[9]]$inc_dist$plot
```
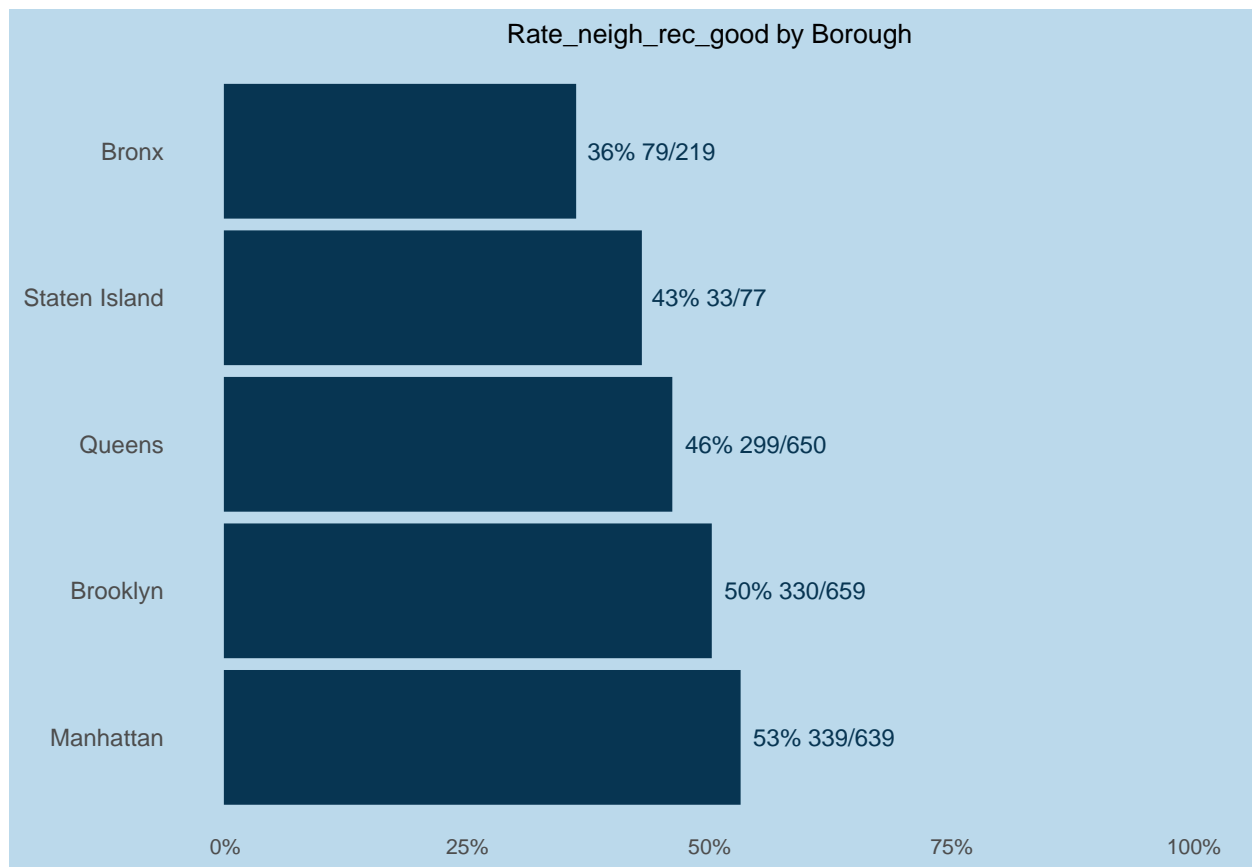


```
##
## [[9]]$inc_dist$p.values
## [[9]]$inc_dist$p.values$rate_neigh_rec_bad
##                           at or above 2020 median income
```

```
## at or above 2020 median income                                    NA
## below 2020 median income                                      1.8e-03
## below 2020 poverty line                                       7.9e-05
##                              below 2020 median income below 2020 poverty line
## at or above 2020 median income                   0.0018                 7.9e-05
## below 2020 median income                             NA                      NA
## below 2020 poverty line                             NA                      NA
##
##
##
##
## [[10]]
## [[10]]$borough
## [[10]]$borough$plot
```
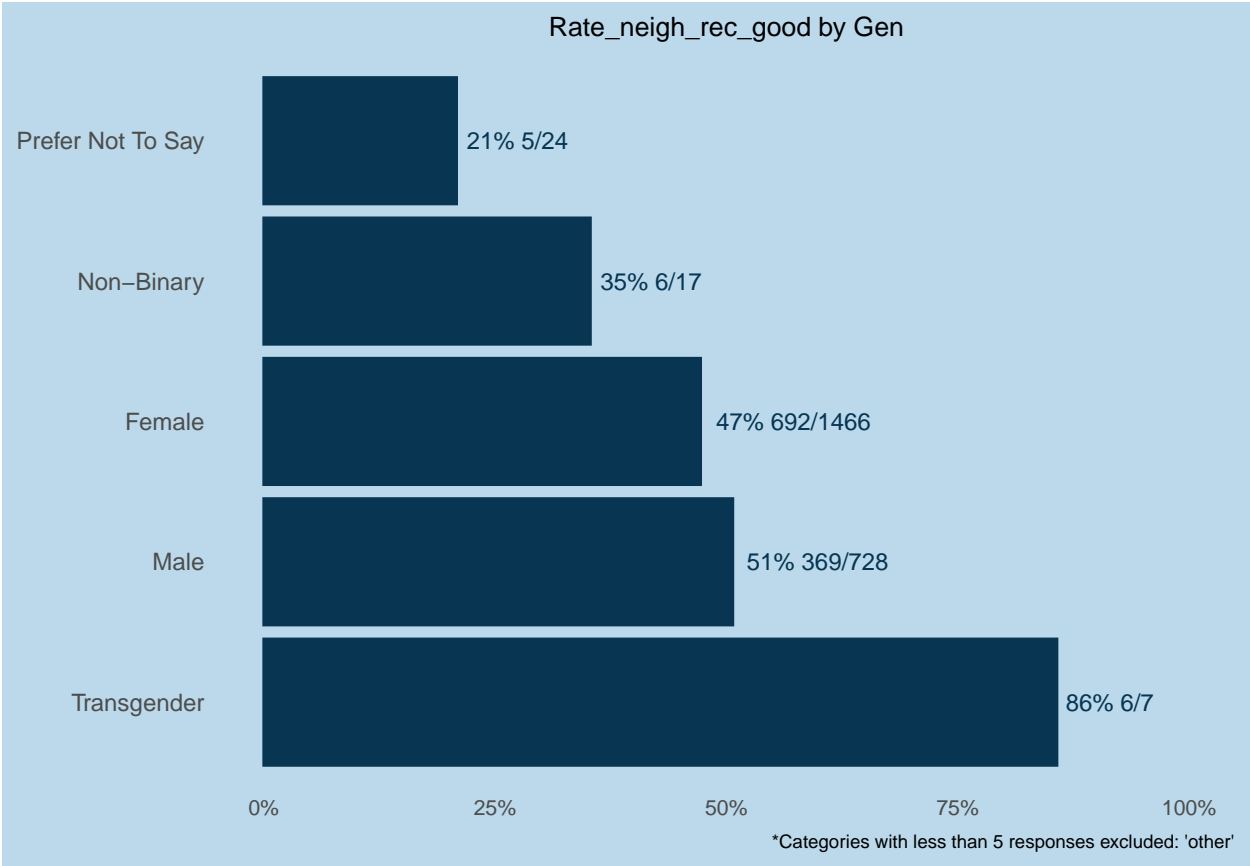

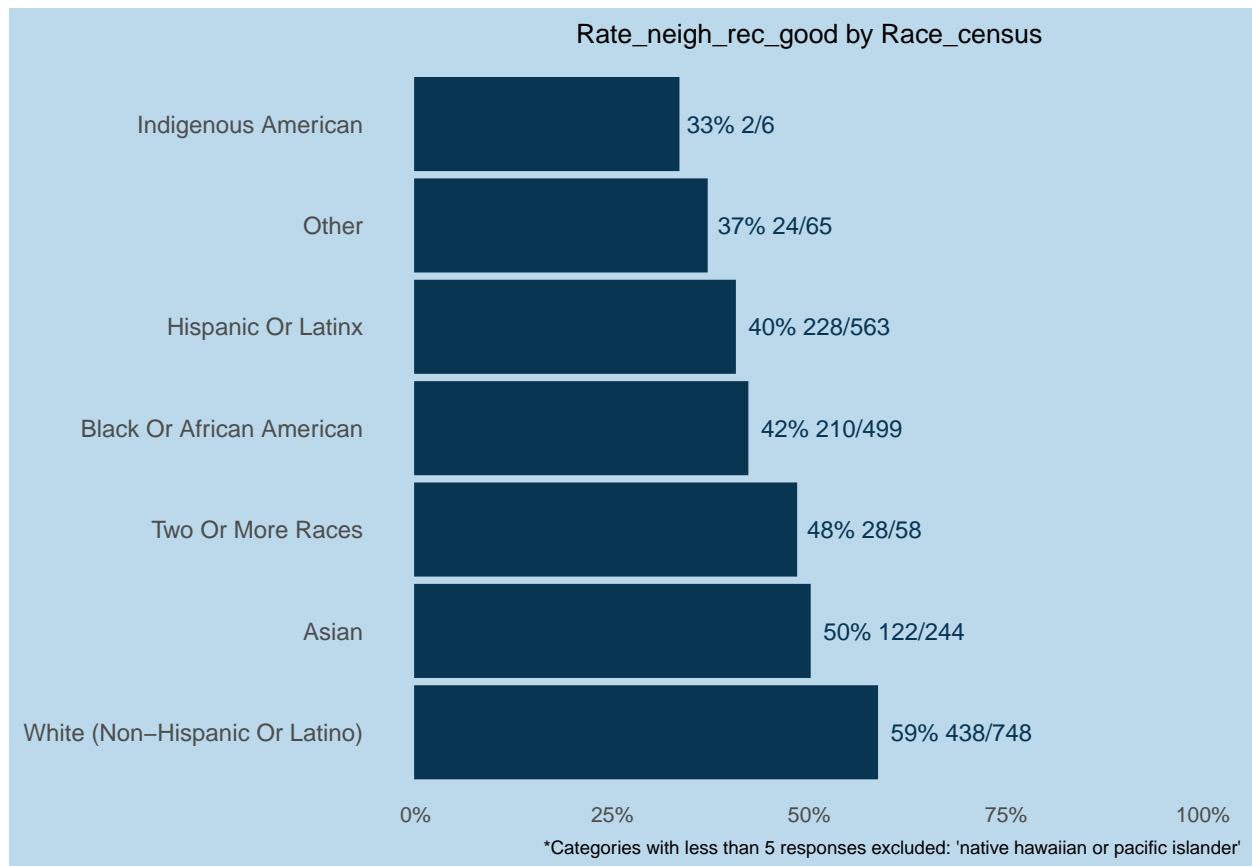```
##
[[10]]$borough$p.values
[[10]]$borough$p.values$rate_neigh_rec_good
bronx staten island queens brooklyn manhattan
bronx   NA   NA   NA 0.00043   2e-05
staten island   NA   NA   NA   NA   NA
queens   NA   NA   NA   NA   NA
brooklyn   0.00043   NA   NA   NA   NA
manhattan   0.00002   NA   NA   NA   NA
##
```

```
##
##
## [[10]]$gen
## [[10]]$gen$plot
```


Rate_neigh_rec_good by Gen

Prefer Not To Say — 21% 5/24
Non–Binary — 35% 6/17
Female — 47% 692/1466
Male — 51% 369/728
Transgender — 86% 6/7

0% 25% 50% 75% 100%

*Categories with less than 5 responses excluded: 'other'
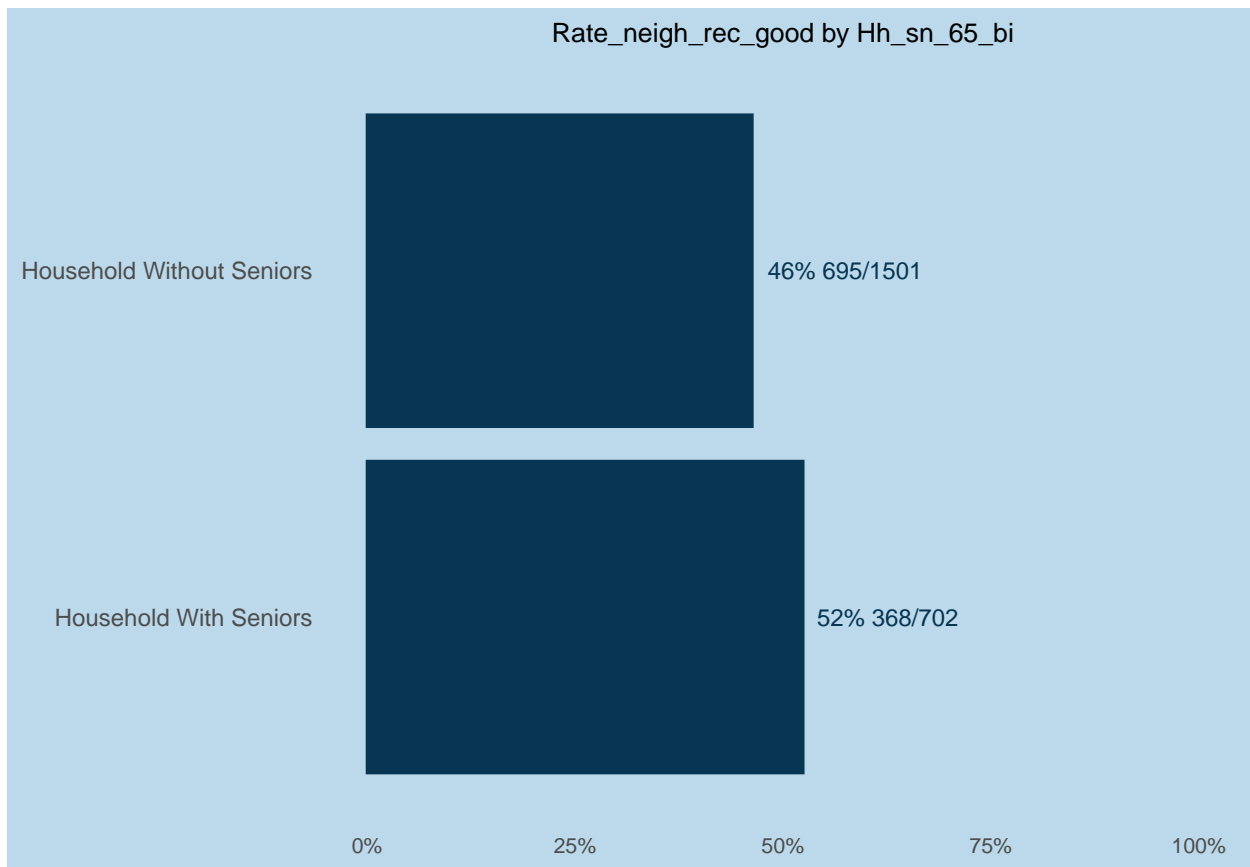
```
##
## [[10]]$gen$p.values
## [[10]]$gen$p.values$rate_neigh_rec_good
##                   prefer not to say non-binary female   male transgender
## prefer not to say                NA         NA     NA 0.0076          NA
## non-binary                       NA         NA     NA     NA          NA
## female                           NA         NA     NA     NA          NA
## male                         0.0076         NA     NA     NA          NA
## transgender                      NA         NA     NA     NA          NA
##
##
##
## [[10]]$race_census
## [[10]]$race_census$plot
```

Rate_neigh_rec_good by Race_census

Indigenous American — 33% 2/6

Other — 37% 24/65

Hispanic Or Latinx — 40% 228/563

Black Or African American — 42% 210/499

Two Or More Races — 48% 28/58

Asian — 50% 122/244

White (Non–Hispanic Or Latino) — 59% 438/748

*Categories with less than 5 responses excluded: 'native hawaiian or pacific islander'

```
##
## [[10]]$race_census$p.values
## [[10]]$race_census$p.values$rate_neigh_rec_good
##                                Indigenous American  other hispanic or latinx
## Indigenous American                             NA     NA                  NA
## other                                           NA     NA                  NA
## hispanic or latinx                              NA     NA                  NA
## black or african american                       NA     NA                  NA
## two or more races                               NA     NA                  NA
## asian                                           NA     NA                  NA
## white (non-hispanic or latino)                  NA 0.0012             1.4e-10
##                                black or african american two or more races
## Indigenous American                                   NA                NA
## other                                                 NA                NA
## hispanic or latinx                                    NA                NA
## black or african american                             NA                NA
## two or more races                                     NA                NA
## asian                                                 NA                NA
## white (non-hispanic or latino)                   1.6e-08                NA
##                                asian white (non-hispanic or latino)
## Indigenous American              NA                               NA
## other                            NA                          1.2e-03
## hispanic or latinx               NA                          1.4e-10
## black or african american        NA                          1.6e-08
## two or more races                NA                               NA
## asian                            NA                               NA
```

```
## white (non-hispanic or latino)    NA                        NA
##
##
##
## [[10]]$hh_ch_0_17_bi
## NULL
##
## [[10]]$hh_sn_65_bi
## [[10]]$hh_sn_65_bi$plot
```

Rate_neigh_rec_good by Hh_sn_65_bi

Household Without Seniors   46% 695/1501

Household With Seniors   52% 368/702

0%   25%   50%   75%   100%

```
##
## [[10]]$hh_sn_65_bi$p.values
## [[10]]$hh_sn_65_bi$p.values$rate_neigh_rec_good
##                          household without seniors household with seniors
## household without seniors                       NA                 0.0085
## household with seniors                      0.0085                     NA
##
##
##
## [[10]]$inc_dist
## [[10]]$inc_dist$plot
```

Rate_neigh_rec_good by Inc_dist
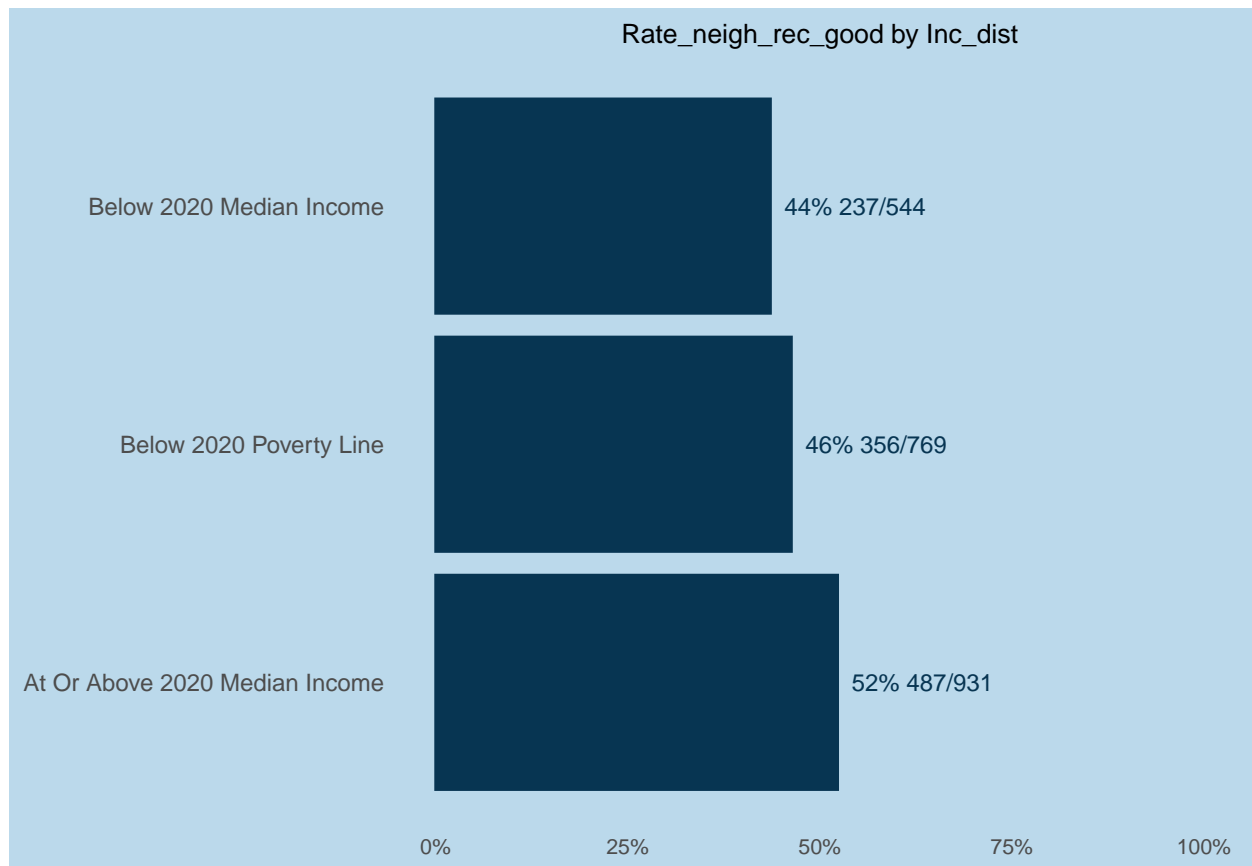

```
##
## [[10]]$inc_dist$p.values
## [[10]]$inc_dist$p.values$rate_neigh_rec_good
##                              below 2020 median income below 2020 poverty line
## below 2020 median income                          NA                       NA
## below 2020 poverty line                           NA                       NA
## at or above 2020 median income                0.0014                       NA
##                              at or above 2020 median income
## below 2020 median income                             0.0014
## below 2020 poverty line                                  NA
## at or above 2020 median income                          NA
```

7.8 - 7.9

### 7.8)Respondents who experienced a reduced income were more likely to rate government response poorly [12 &13]

1. Run binary distribution over rating government response question Poor=Poor or Very Poor Not Poor=Good, Excellent, Average
2. Find proportion which rated government response poorly [31] Poorly=Poor or Very Poor

a. Find subset of population who witnessed a reduced income
b. Compare with others who did not

7.9) Respondents who faced housing insecurity were more like to rate government response poorly [21, 31]

1. Find proportion of households who faced housing security [21]
2. Find subset of population who rated government response poorly and compare with   other group

```
make_plots(wrangled, c("inc_neg", "house_insec"), "rate_gov_all_bad", show = TRUE,
           title = "Rated Government Poorly")
```

```
## $inc_neg
## $inc_neg$plot
```
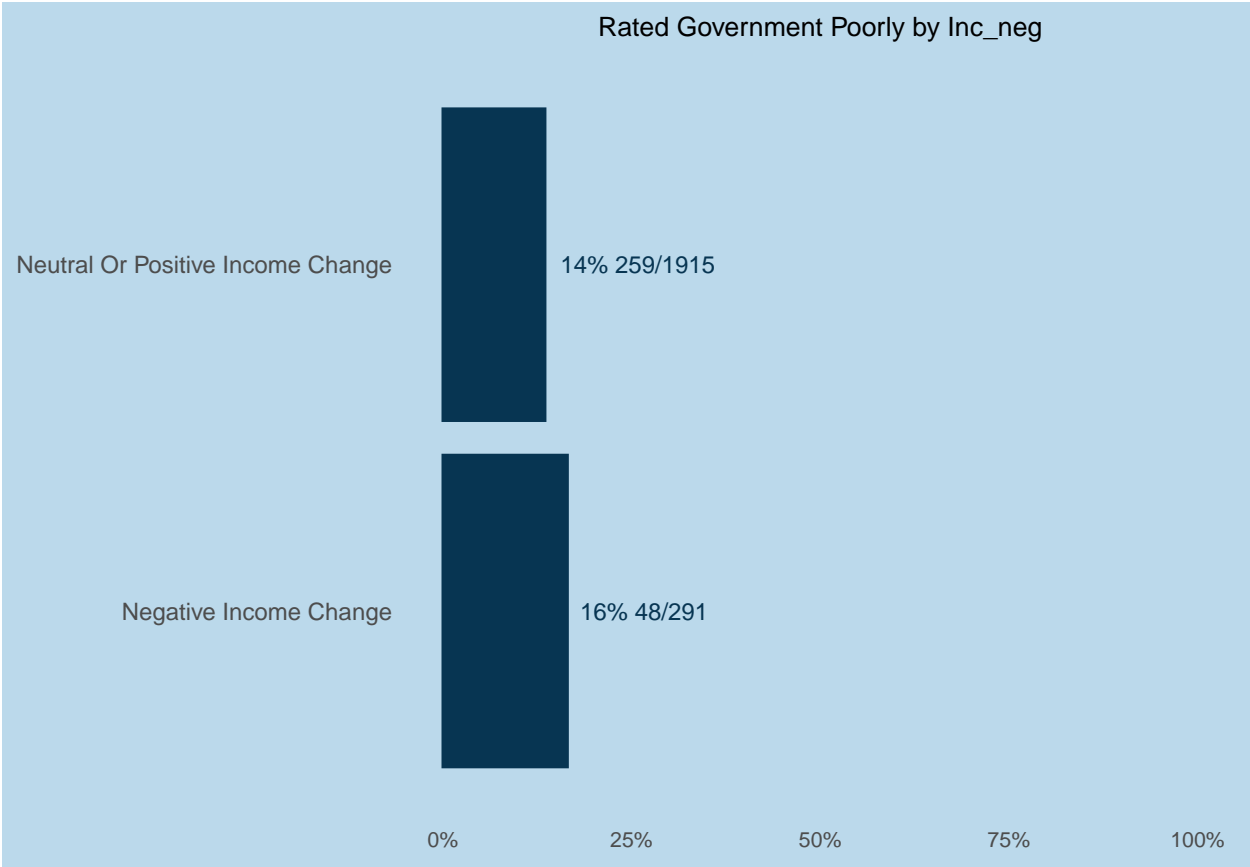


```
##
## $inc_neg$p.values
## $inc_neg$p.values$rate_gov_all_bad
##                                 neutral or positive income change
## neutral or positive income change                             NA
## negative income change                                        NA
##                                 negative income change
## neutral or positive income change             NA
## negative income change                        NA
##
##
##
```

```
## $house_insec
## $house_insec$plot
```

Rated Government Poorly by House_insec
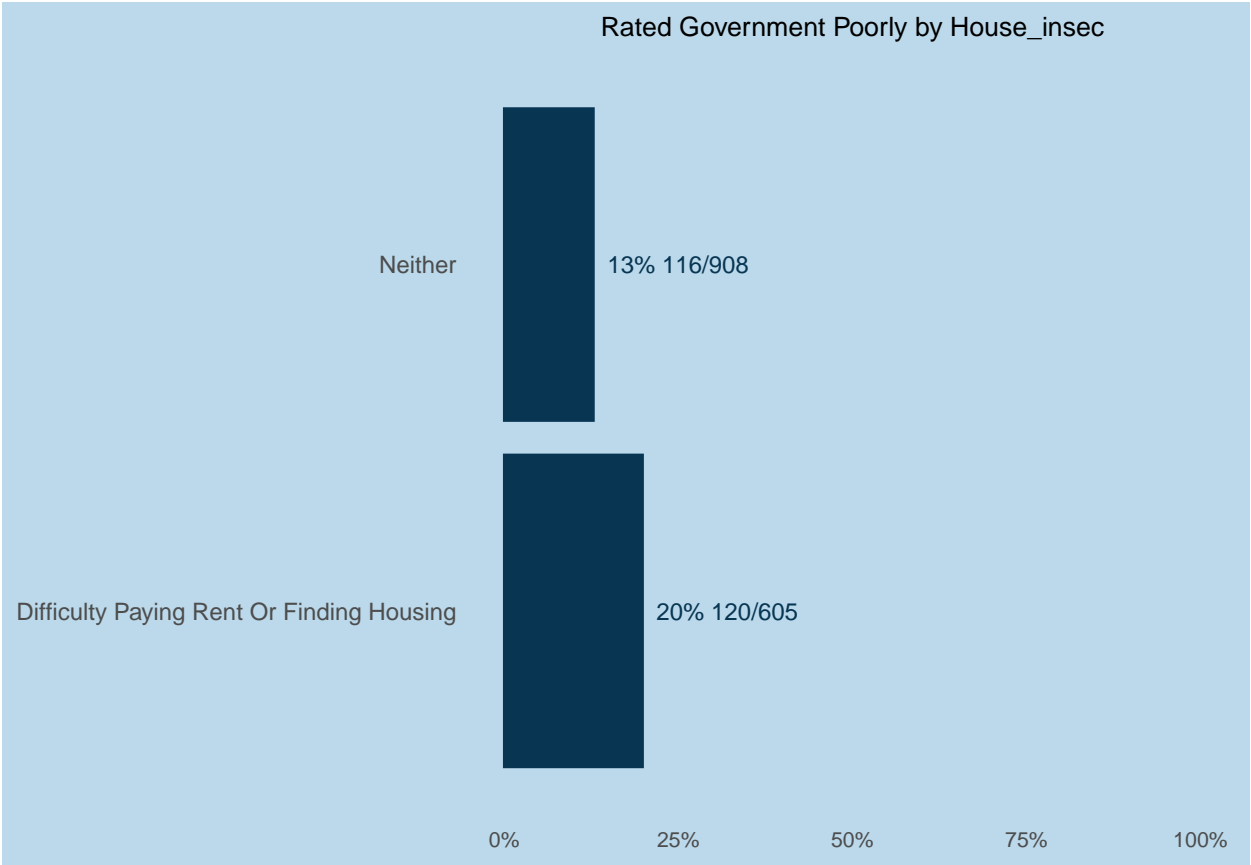

```
##
## $house_insec$p.values
## $house_insec$p.values$rate_gov_all_bad
##                                                neither
## neither                                             NA
## difficulty paying rent or finding housing      0.00028
##                                                difficulty paying rent or finding housing
## neither                                                                          0.00028
## difficulty paying rent or finding housing                                             NA
```