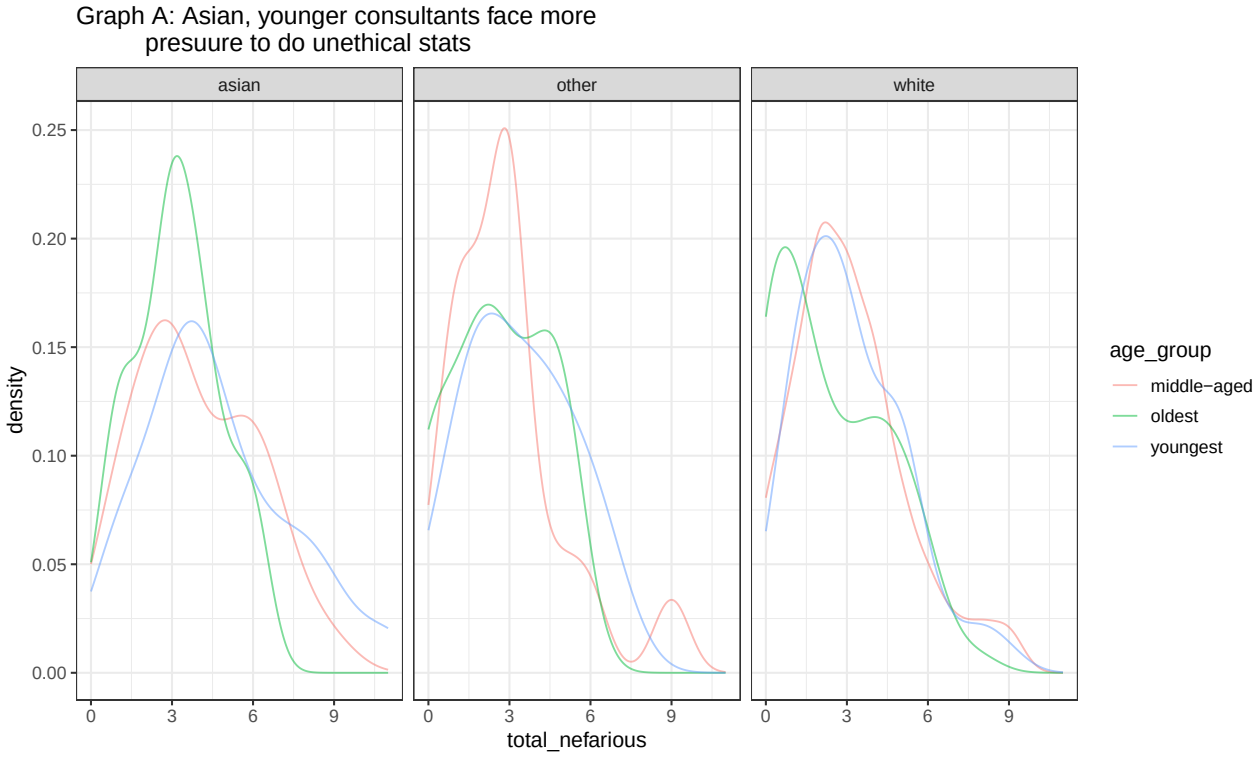
Stat 245 – Graphics: Nepharious Consultant Request

Adham Rishmawi

September 19, 2022

```
nefarious <- read_csv('https://sldr.netlify.app/data/nefarious.csv')
```

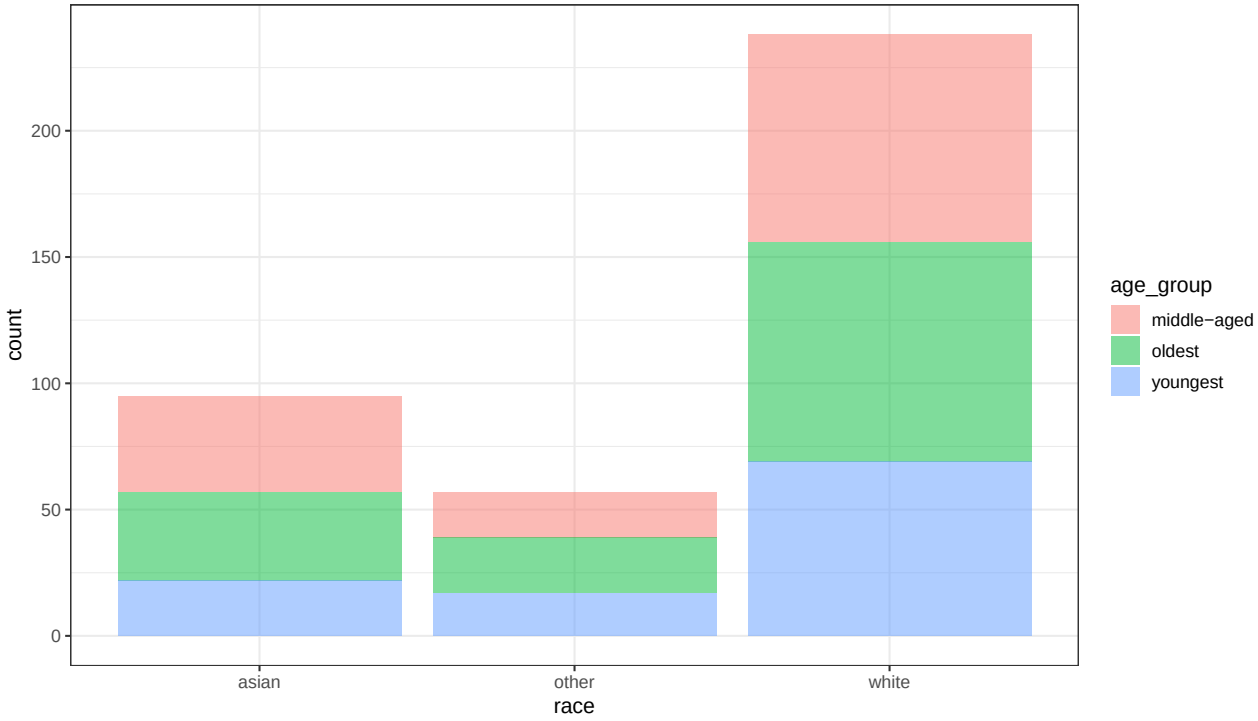
```
gf_dens(~total_nefarious | race, color = ~age_group, data = nefarious)|>
  gf_labs(title = "Graph A: Asian, younger consultants face more
          presuure to do unethical stats")
```



i feel like this graph achieves a better illustration because with gf_density it is harder to identify which age_group is being potrayed because of the overlapping. I believe the illustration here is at its better form.

```
gf_histogram(~race, fill = ~age_group, data= nefarious, stat = "count") |>
  gf_labs(title = 'Graph B: Most surveyed consultants were old and white')
```

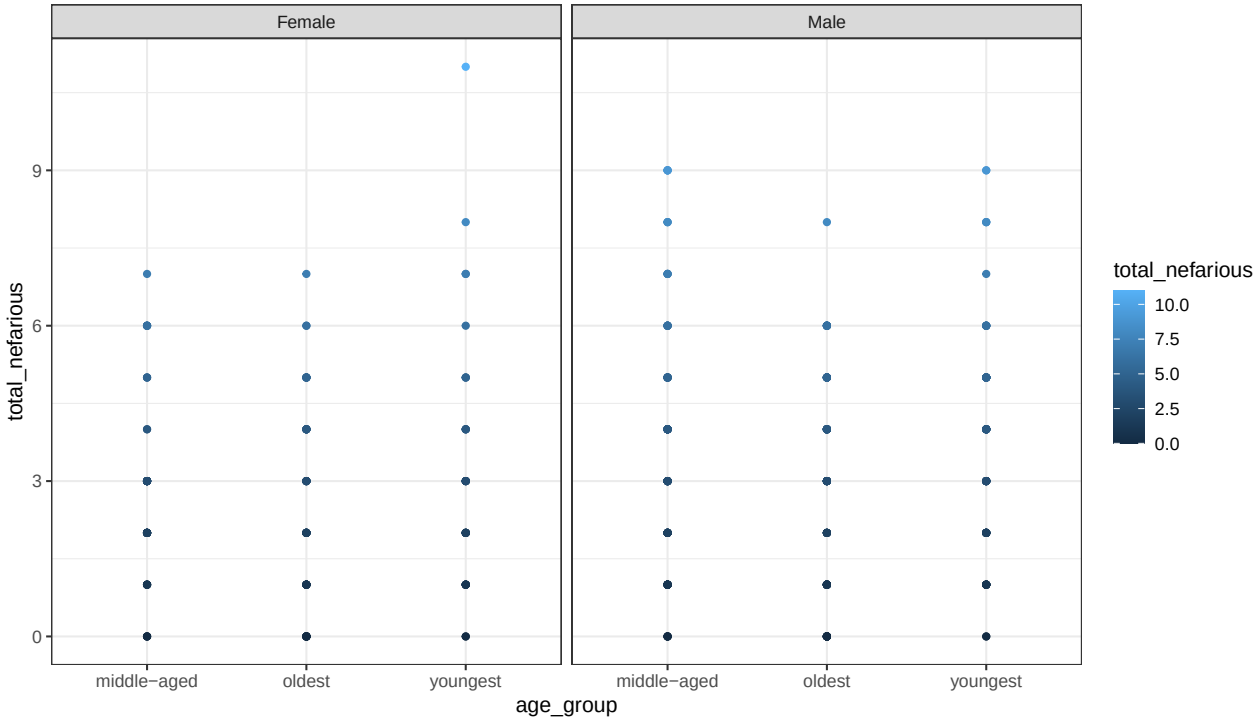
Graph B: Most surveyed consultants were old and white



I believe this histogram consolidates the information needed from each age group and is overall, better visually.

```
gf_point(total_nefarious ~ age_group | sex,
         data = nefarious,
         color = ~total_nefarious) |>
  gf_labs (title = 'Graph C: Females, Males face similar numbers of requests but younger consultants fa
```

Graph C: Females, Males face similar numbers of requests but younger consultants face more



with this one I believed the only issue resided in the fact that humans struggle to encapsulate volume so i shifted the size to color so that it would be easier to differentiate total_nefariousness