Untitled

Output of workings for assignment, not write up for submission

# q1

df\_lng = df %>%  
 select(-id) %>%  
 pivot\_longer(-group, names\_to = 'var', values\_to = 'val') %>%  
 mutate(group = as.factor(group)) %>%  
 group\_by(group, var) %>%  
 mutate(grp\_mean = mean(val, na.rm = T),  
 grp\_med = median(val, na.rm = T),  
 q25 = quantile(val, 0.25, na.rm = T),  
 q75 = quantile(val, 0.75, na.rm = T)) %>%  
 ungroup()  
  
df\_summary = distinct(select(df\_lng, -val)) %>%  
 filter(!is.na(grp\_mean)) %>%  
 pivot\_longer(grp\_mean:q75, names\_to = 'measure', values\_to = 'val')  
   
df\_lng %>%  
 ggplot(aes(val, fill = group)) +  
 geom\_boxplot() +  
 facet\_wrap(~ var, ncol = 1, scales = 'free\_y')

Warning: Removed 123 rows containing non-finite values (stat\_boxplot).

