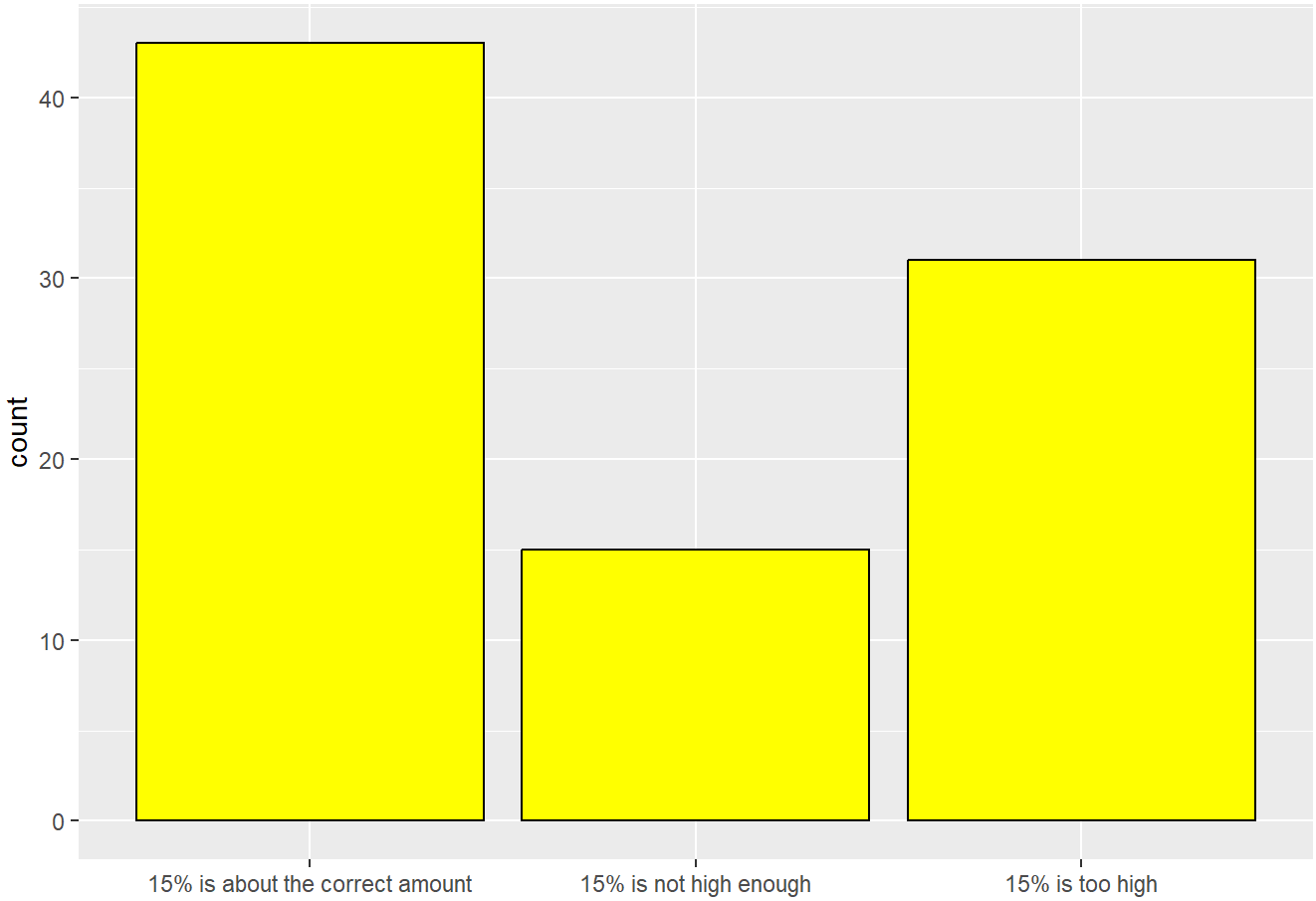


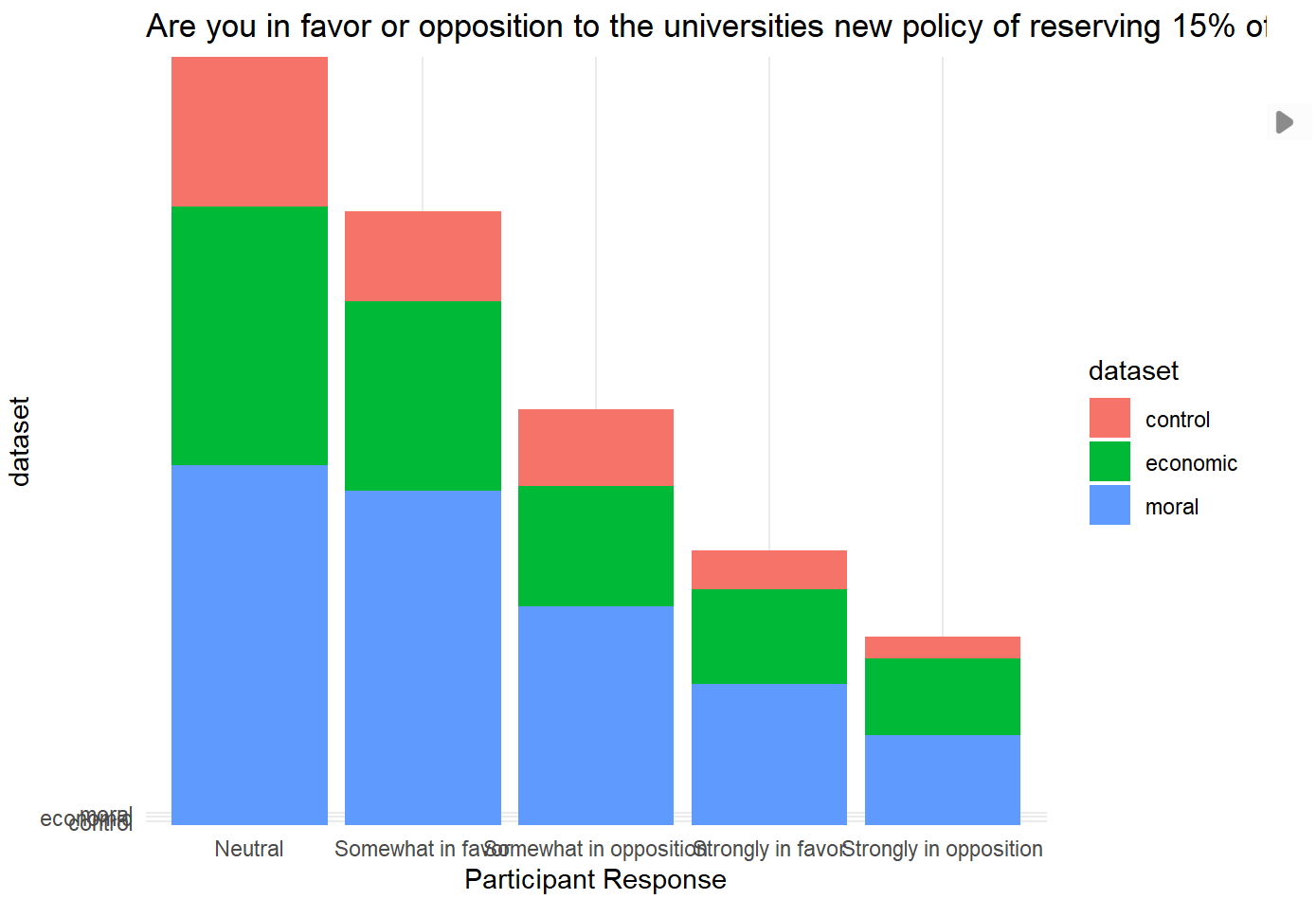
Findings

```
# comparing the q2 - "Are you in favor or opposition to the universities new policy of reserving
combined_percentage <- rbind(transform(control_group$g2q2, dataset = "control"),
                             transform(economic_group$g2q2, dataset = "economic"),
                             transform(moral_group$g2q2, dataset = "moral"))

head(combined_percentage)
```

```
                 X_data dataset
1               Neutral control
2               Neutral control
3               Neutral control
4 Somewhat in opposition control
5               Neutral control
6               Neutral control
```

```
percentage_plot <- ggplot(combined_percentage,
                          aes(x = X_data, y = dataset, fill = dataset)) +
  geom_bar(stat = "identity") +
  labs(title = "Are you in favor or opposition to the universities new policy of reserving 15% of
```

```
  theme_minimal()
percentage_plot
```

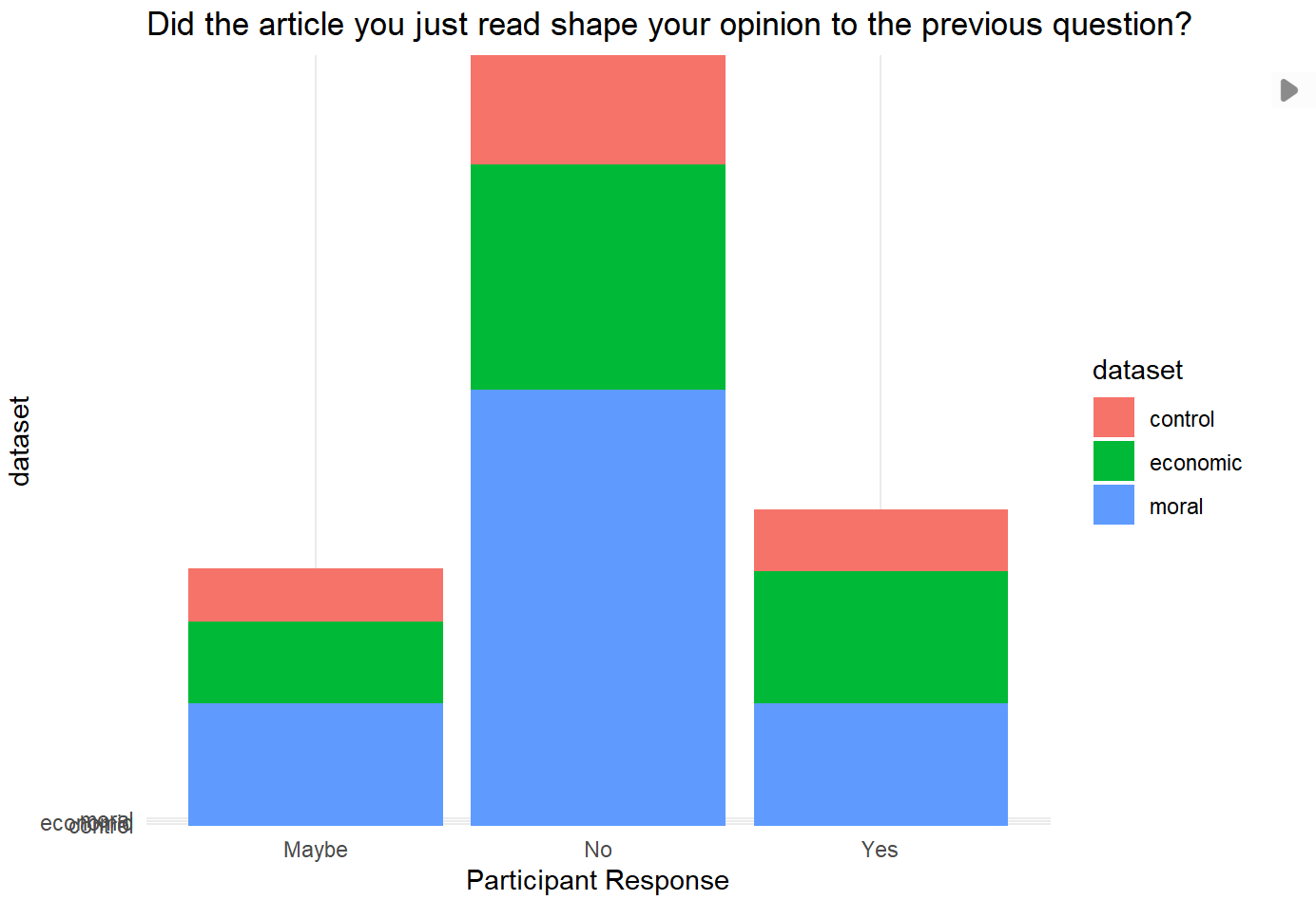



```
# comparing the q3 - "Did the article you just read shape your opinion to the previous question?"
combined_q3 <- rbind(transform(control_group$g2q3, dataset = "control"),
                     transform(economic_group$g2q3, dataset = "economic"),
                     transform(moral_group$g2q3, dataset = "moral"))

head(combined_q3)
```

```
  X_data dataset
1     No control
2  Maybe control
3  Maybe control
4     No control
5     No control
6     No control
```

```
q3_comparison_plot <- ggplot(combined_q3,
                             aes(x = X_data, y = dataset, fill = dataset)) +
  geom_bar(stat = "identity") +
```

```
  labs(title = "Did the article you just read shape your opinion to the previous question?", x = '
  theme_minimal()
q3_comparison_plot
```

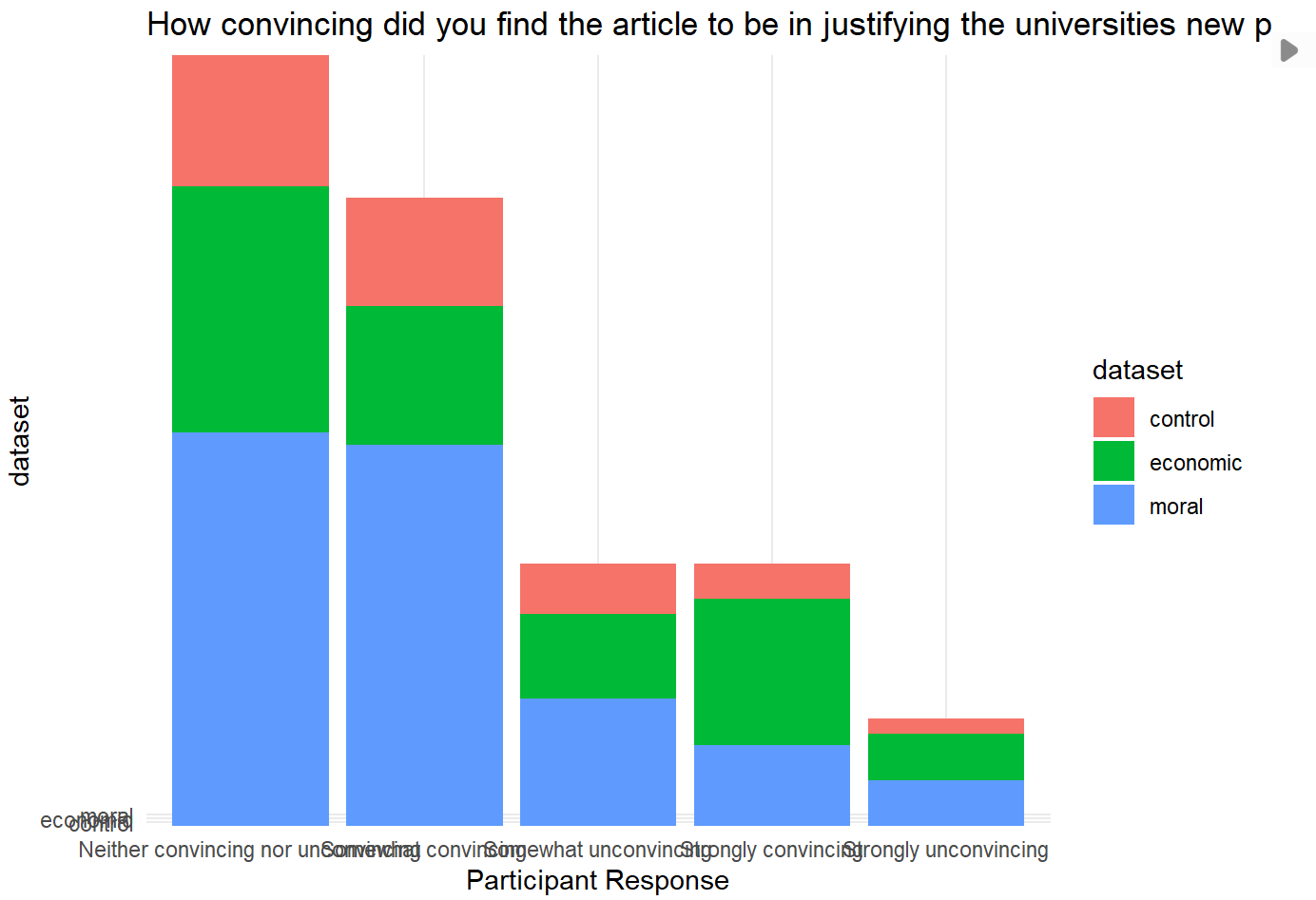



```
# comparing the q4 - "How convincing did you find the article to be in justifying the universities
combined_q4 <- rbind(transform(control_group$g2q4, dataset = "control"),
                     transform(economic_group$g2q4, dataset = "economic"),
                     transform(moral_group$g2q4, dataset = "moral"))

head(combined_q4)
```

```
                            X_data dataset
1 Neither convincing nor unconvincing control
2                 Somewhat convincing control
3               Somewhat unconvincing control
4 Neither convincing nor unconvincing control
5 Neither convincing nor unconvincing control
6 Neither convincing nor unconvincing control
```

```
q4_comparison_plot <- ggplot(combined_q4,
                        aes(x = X_data, y = dataset, fill = dataset)) +
```

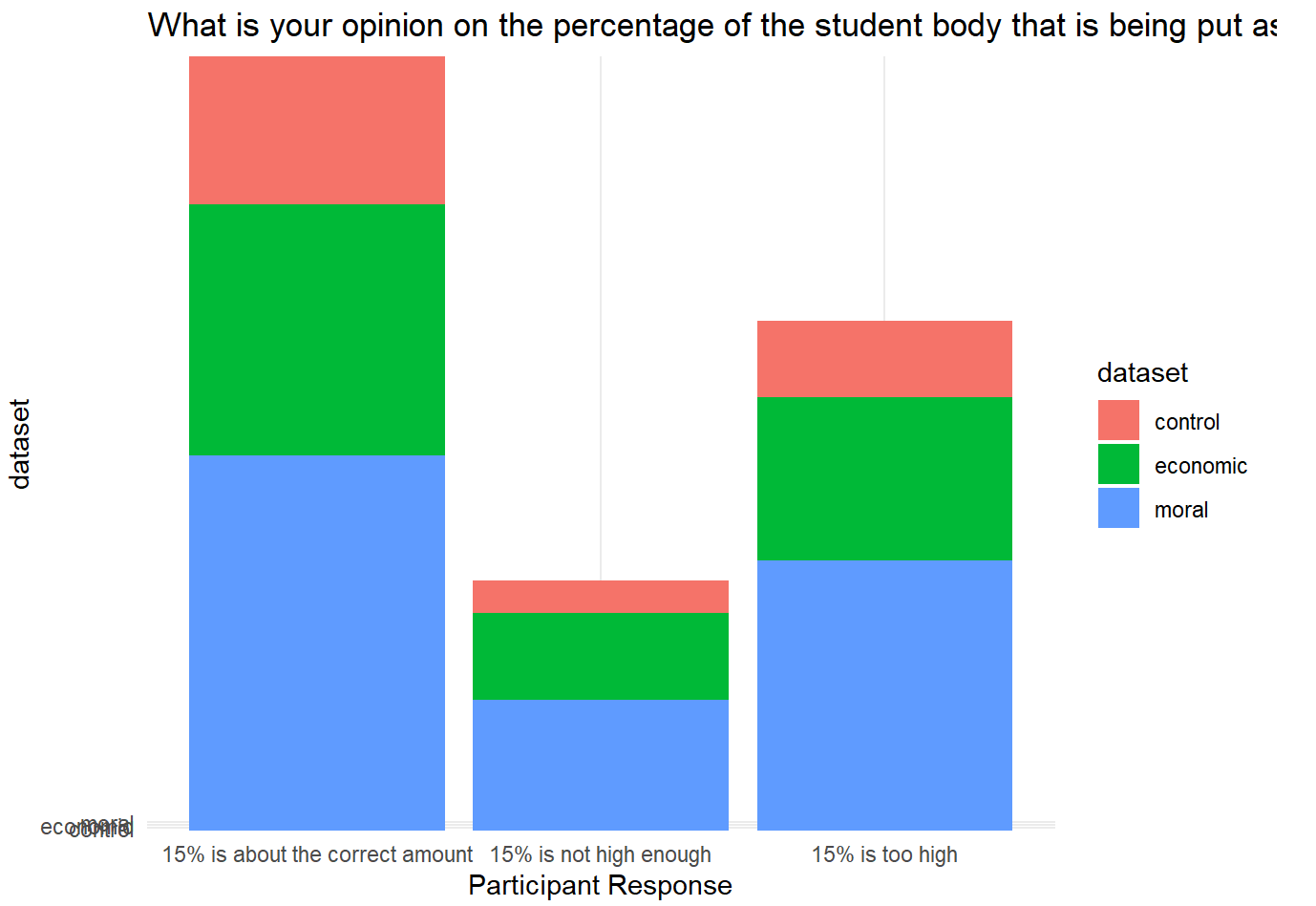
```
  geom_bar(stat = "identity") +
  labs(title = "How convincing did you find the article to be in justifying the universities new p
  theme_minimal()
q4_comparison_plot
```




```
# comparing the q5 - "What is your opinion on the percentage of the student body that is being pu
combined_q5 <- rbind(transform(control_group$g2q5, dataset = "control"),
                     transform(economic_group$g2q5, dataset = "economic"),
                     transform(moral_group$g2q5, dataset = "moral"))

head(combined_q5)
```

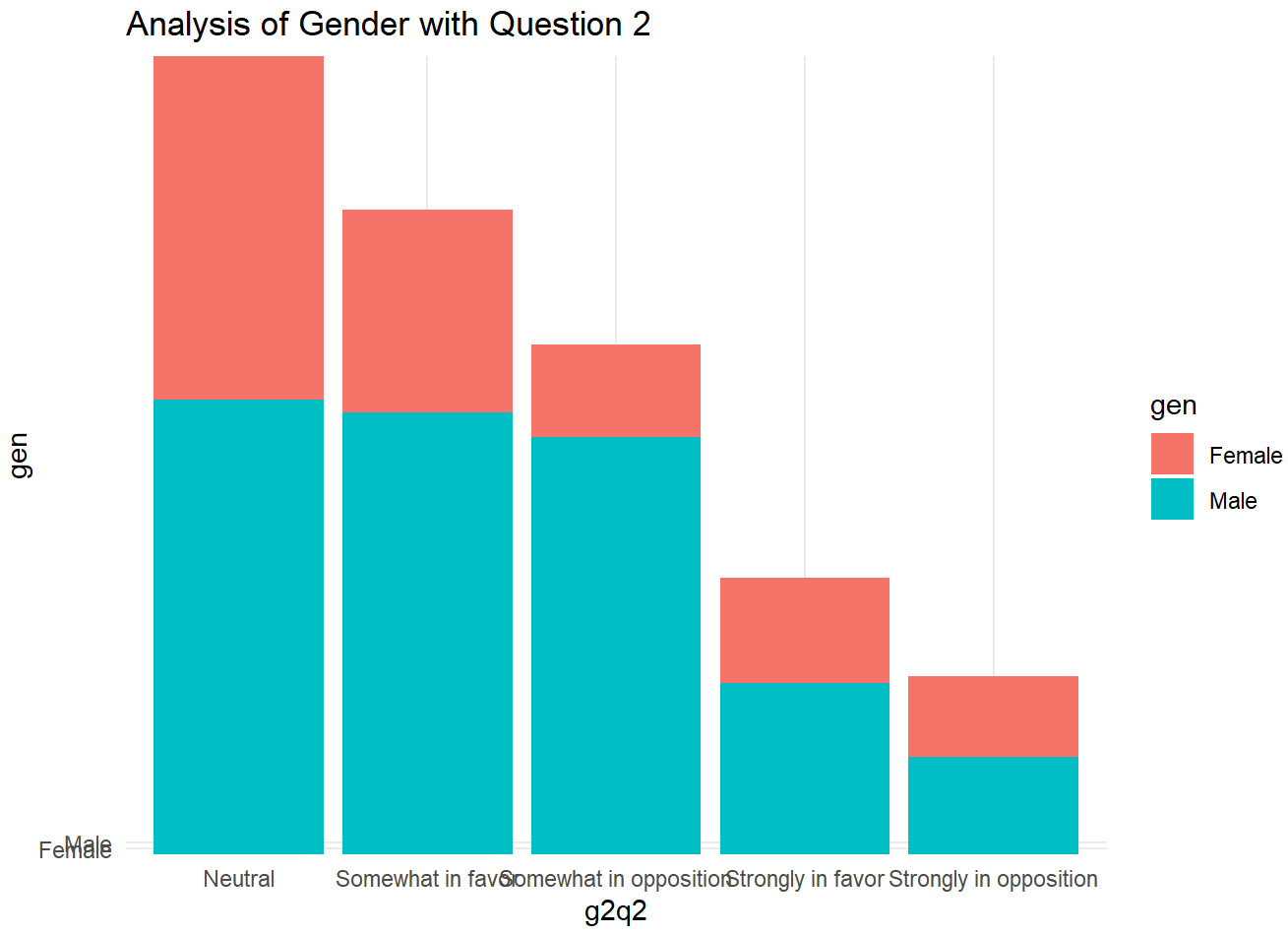
```
                        X_data dataset
1                15% is too high control
2 15% is about the correct amount control
3 15% is about the correct amount control
4                15% is too high control
5 15% is about the correct amount control
6 15% is about the correct amount control
```

```r
q5_comparison_plot <- ggplot(combined_q5,
                             aes(x = X_data, y = dataset, fill = dataset)) +
  geom_bar(stat = "identity") +
  labs(title = "What is your opinion on the percentage of the student body that is being put aside
  theme_minimal()
q5_comparison_plot
```



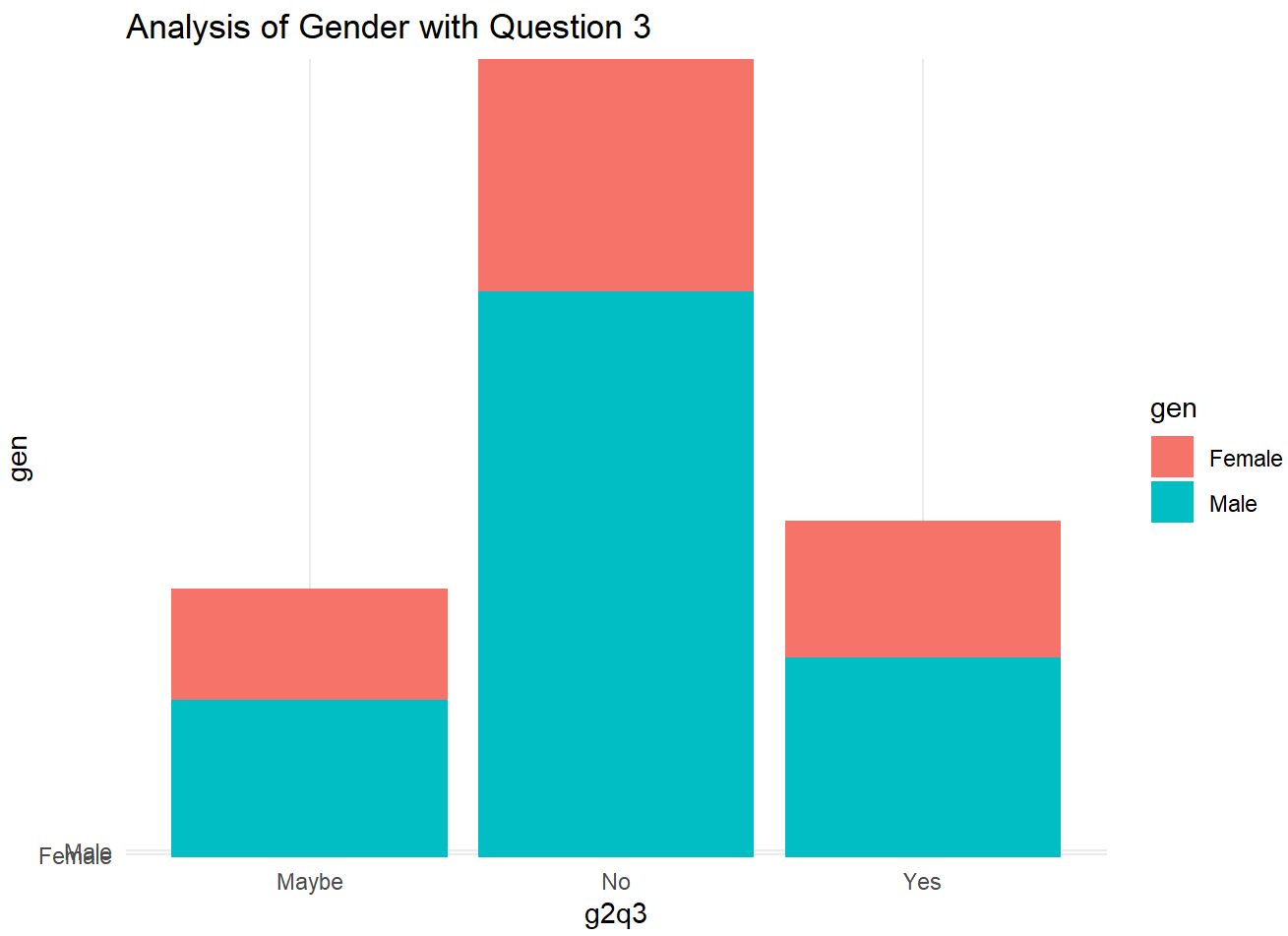

```r
# ethnicity and gender correlation

  g2 <- g2 %>%
    mutate(eth = case_when(
      ethnicity == 1    ~ 'White',
      ethnicity == 2 ~  'Black, or African American',
      ethnicity == 3    ~ 'American Indian or Alaska Native',
      ethnicity == 4    ~ 'Asian Indian',
      ethnicity == 5    ~ 'Chinese',
      ethnicity == 6    ~ 'Filipino',
      ethnicity == 7    ~ 'Japanese',
      ethnicity == 8    ~ 'Korean',
      ethnicity == 9    ~ 'Vietnamese',
      ethnicity == 10   ~ 'Other Asian',
      ethnicity == 11   ~ 'Native Hawaiian',
```

```
      ethnicity == 12   ~ 'Guamanian',
      ethnicity == 13   ~ 'Samoan',
      ethnicity == 14   ~ 'Other Pacific Islander',
      ethnicity == 15   ~ 'Some other race',
      ethnicity == 16   ~ 'Prefer not to answer'))


g2 <- g2 %>%
  mutate(gen = case_when(
    gender == 1 ~ 'Male',
    gender == 2 ~ 'Female'))

gender_q2 <- ggplot(g2,
                        aes(x = g2q2, y = gen, fill = gen)) +
  geom_bar(stat = "identity") +
  labs(title = "Analysis of Gender with Question 2") +
  theme_minimal()

gender_q2
```

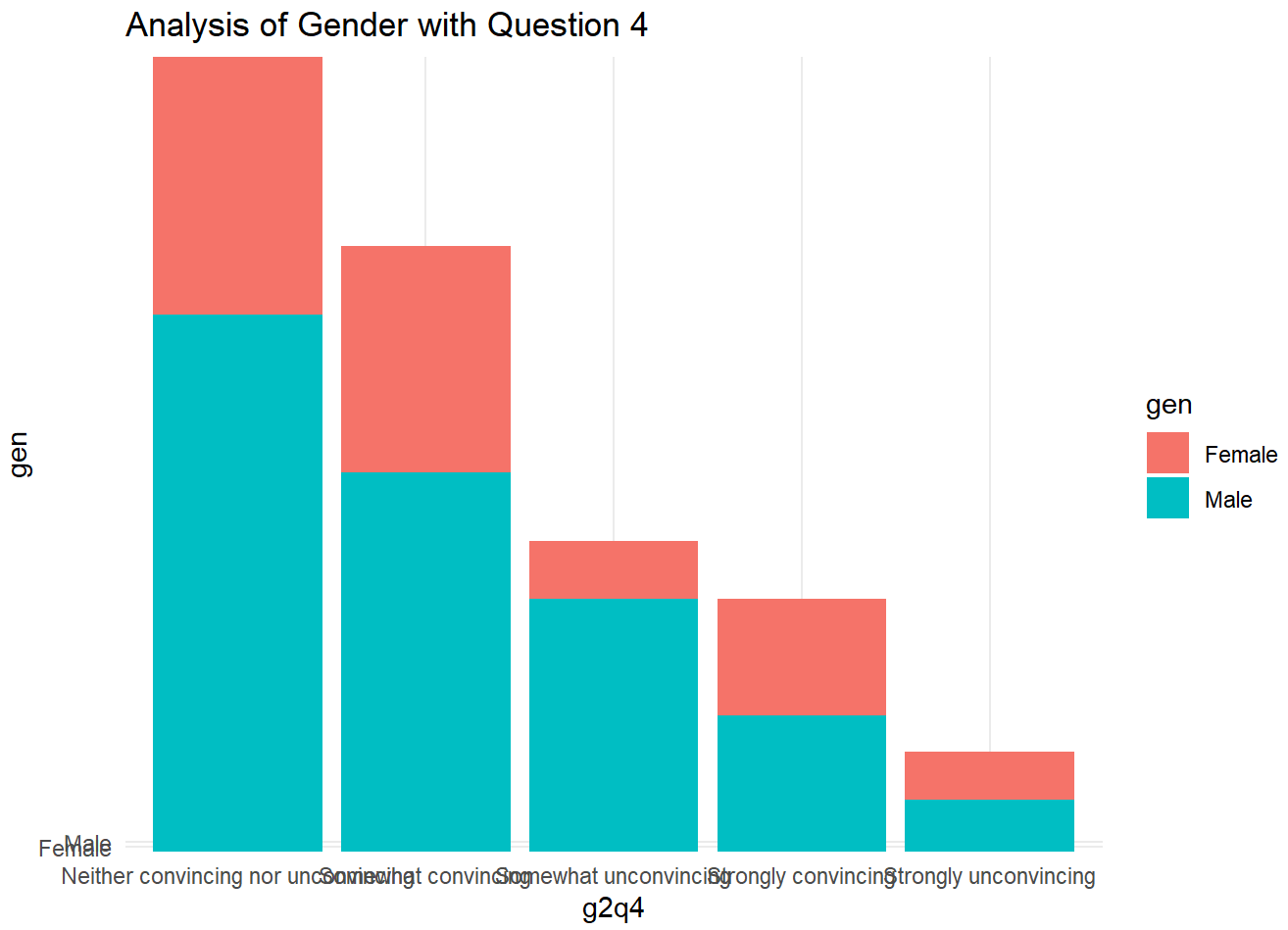



```
gender_q3 <- ggplot(g2,
                        aes(x = g2q3, y = gen, fill = gen)) +
  geom_bar(stat = "identity") +
```

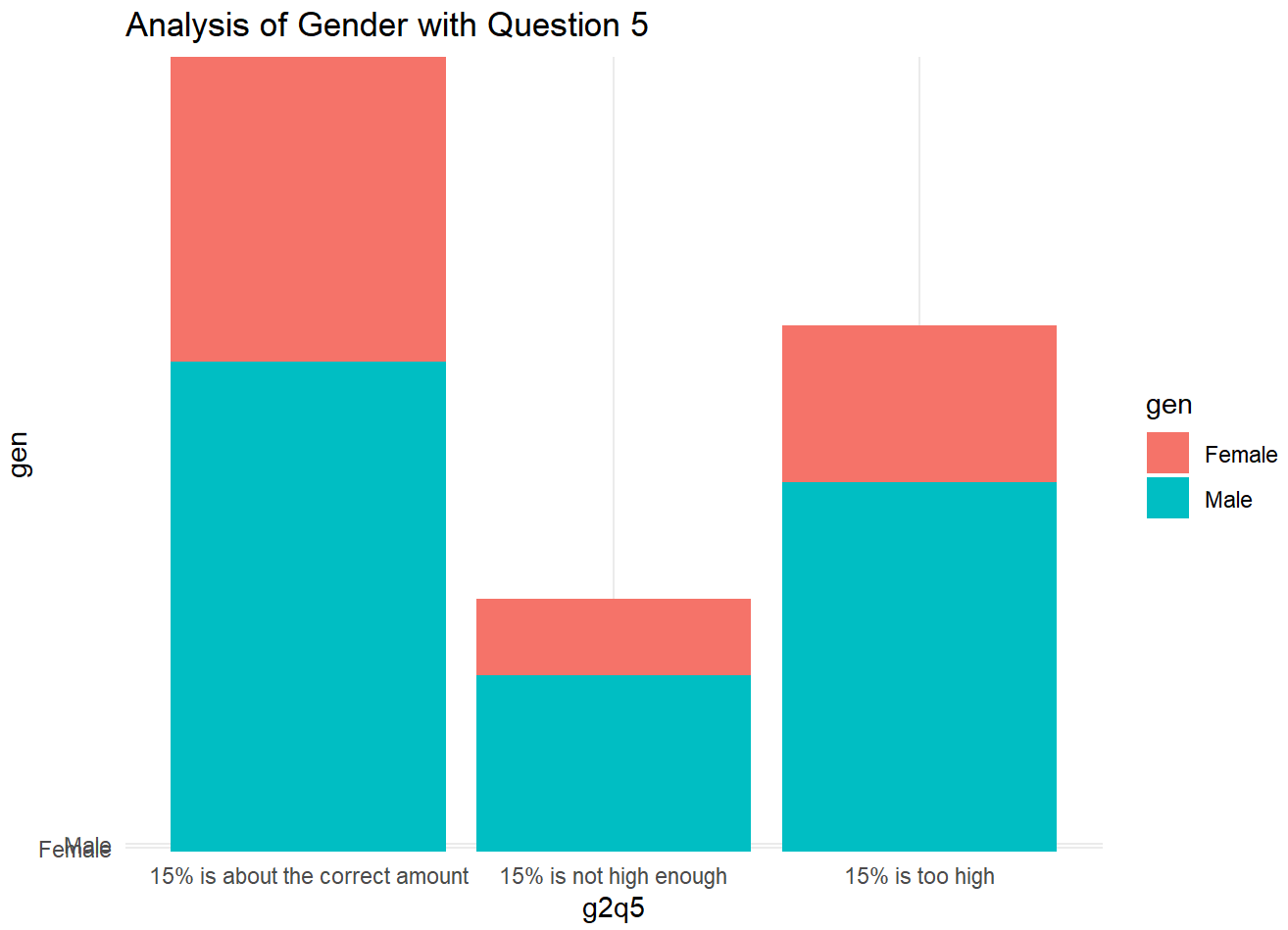
```
  labs(title = "Analysis of Gender with Question 3") +
  theme_minimal()

gender_q3
```



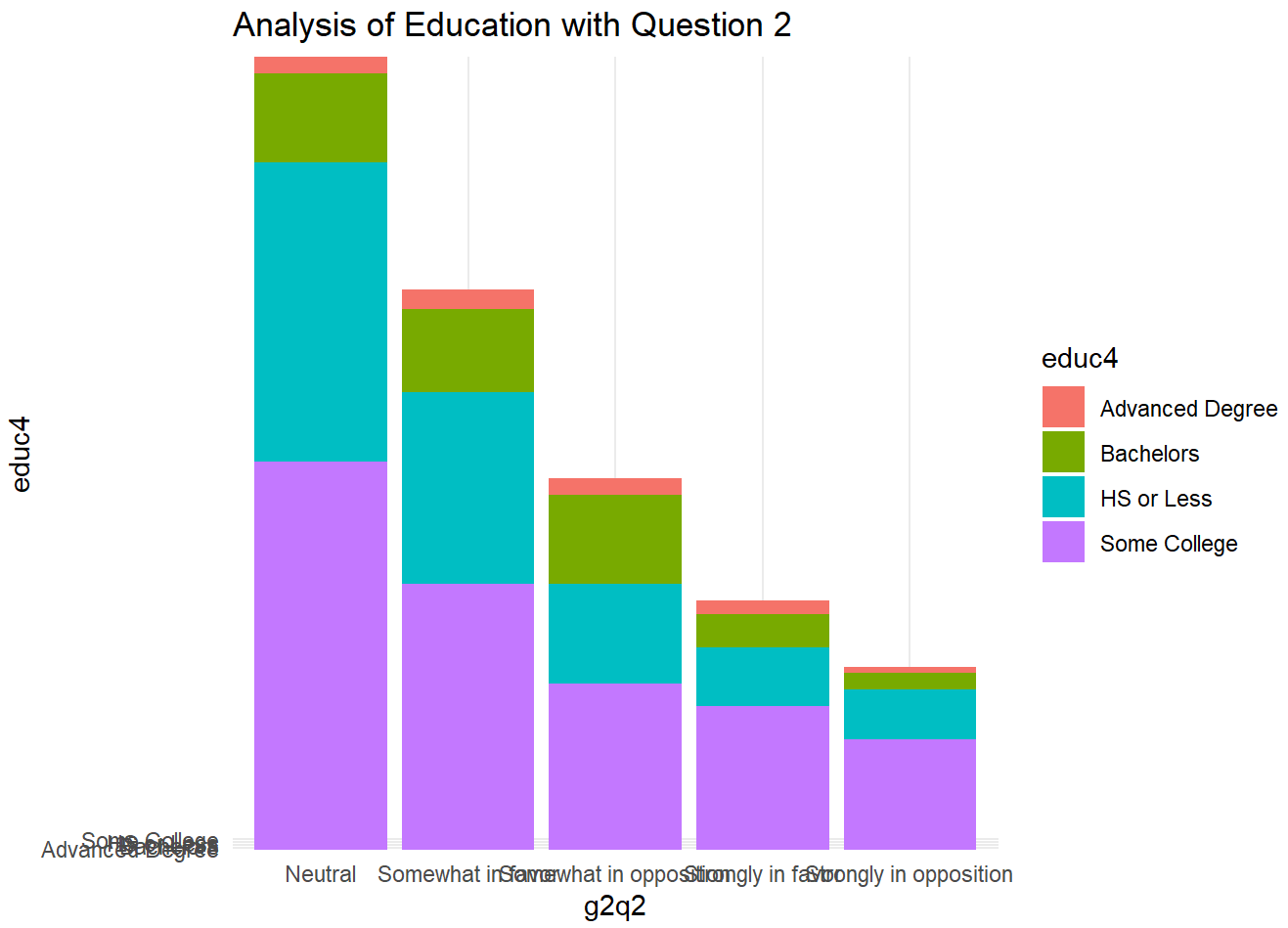

```
gender_q4 <- ggplot(g2,
                    aes(x = g2q4, y = gen, fill = gen)) +
  geom_bar(stat = "identity") +
  labs(title = "Analysis of Gender with Question 4") +
  theme_minimal()

gender_q4
```



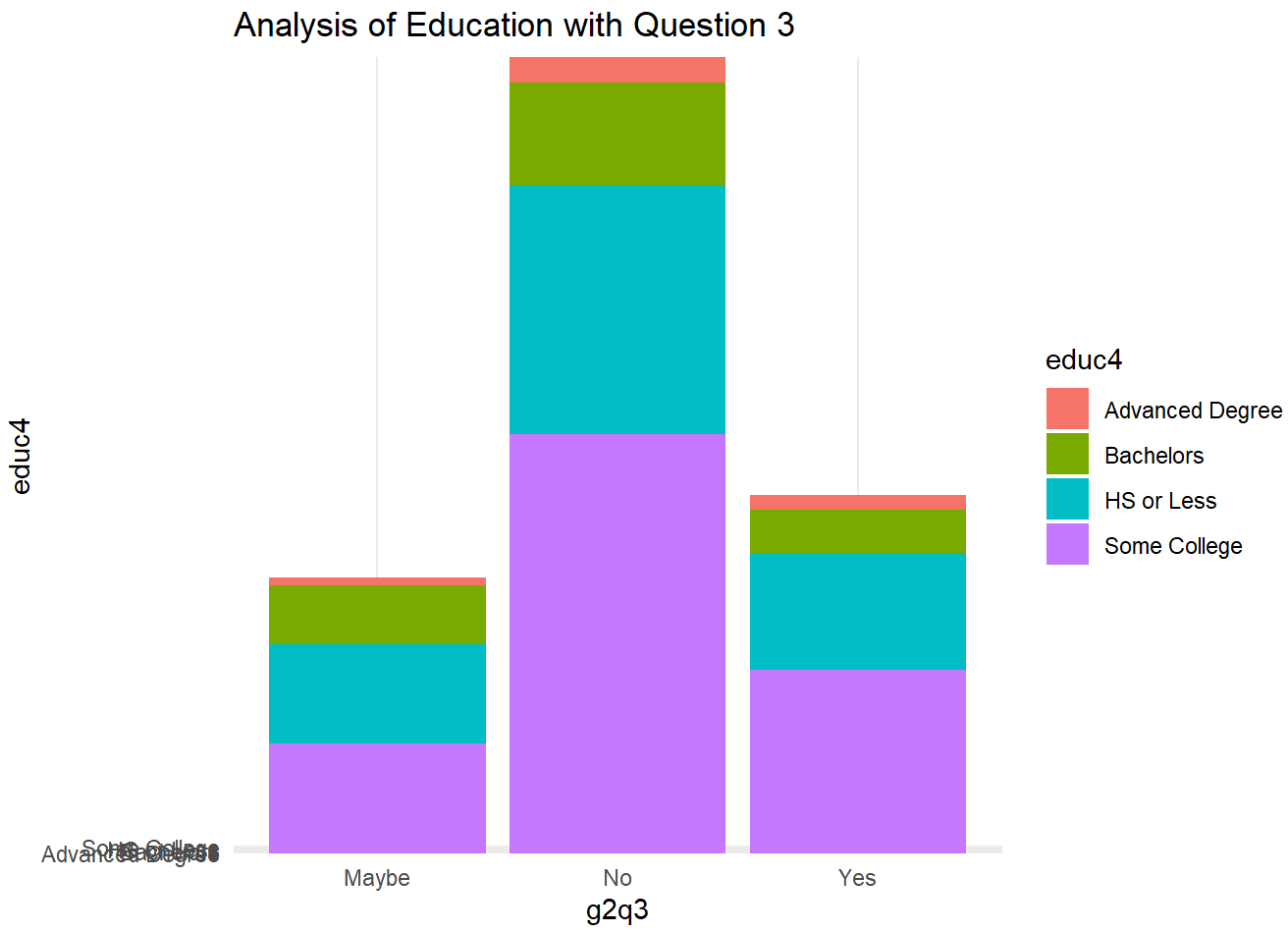

```
gender_q5 <- ggplot(g2,
                        aes(x = g2q5, y = gen, fill = gen)) +
  geom_bar(stat = "identity") +
  labs(title = "Analysis of Gender with Question 5") +
  theme_minimal()

gender_q5
```



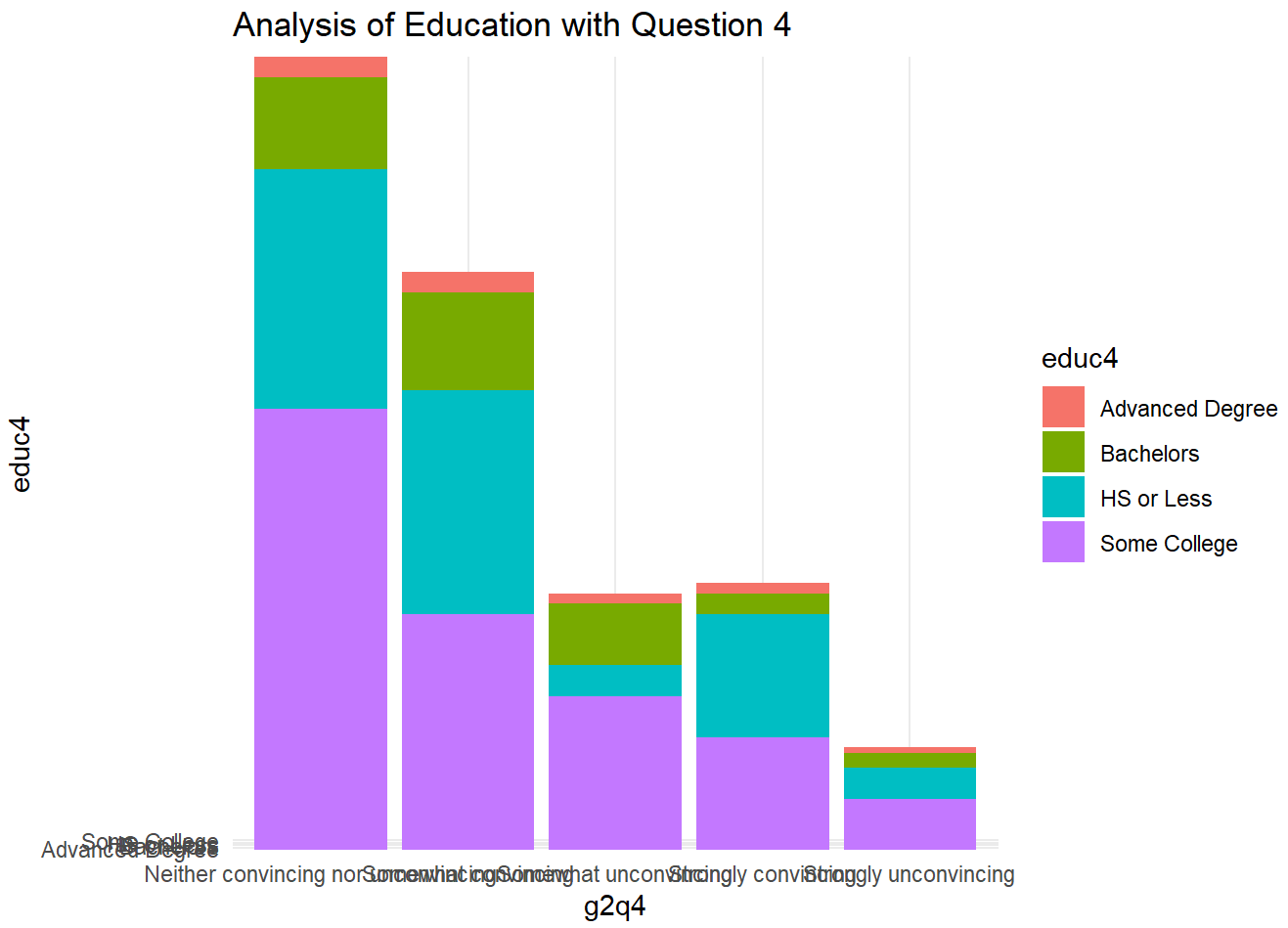

```
educ_q2 <- ggplot(g2,
                          aes(x = g2q2, y = educ4, fill = educ4)) +
  geom_bar(stat = "identity") +
  labs(title = "Analysis of Education with Question 2") +
  theme_minimal()

educ_q2
```



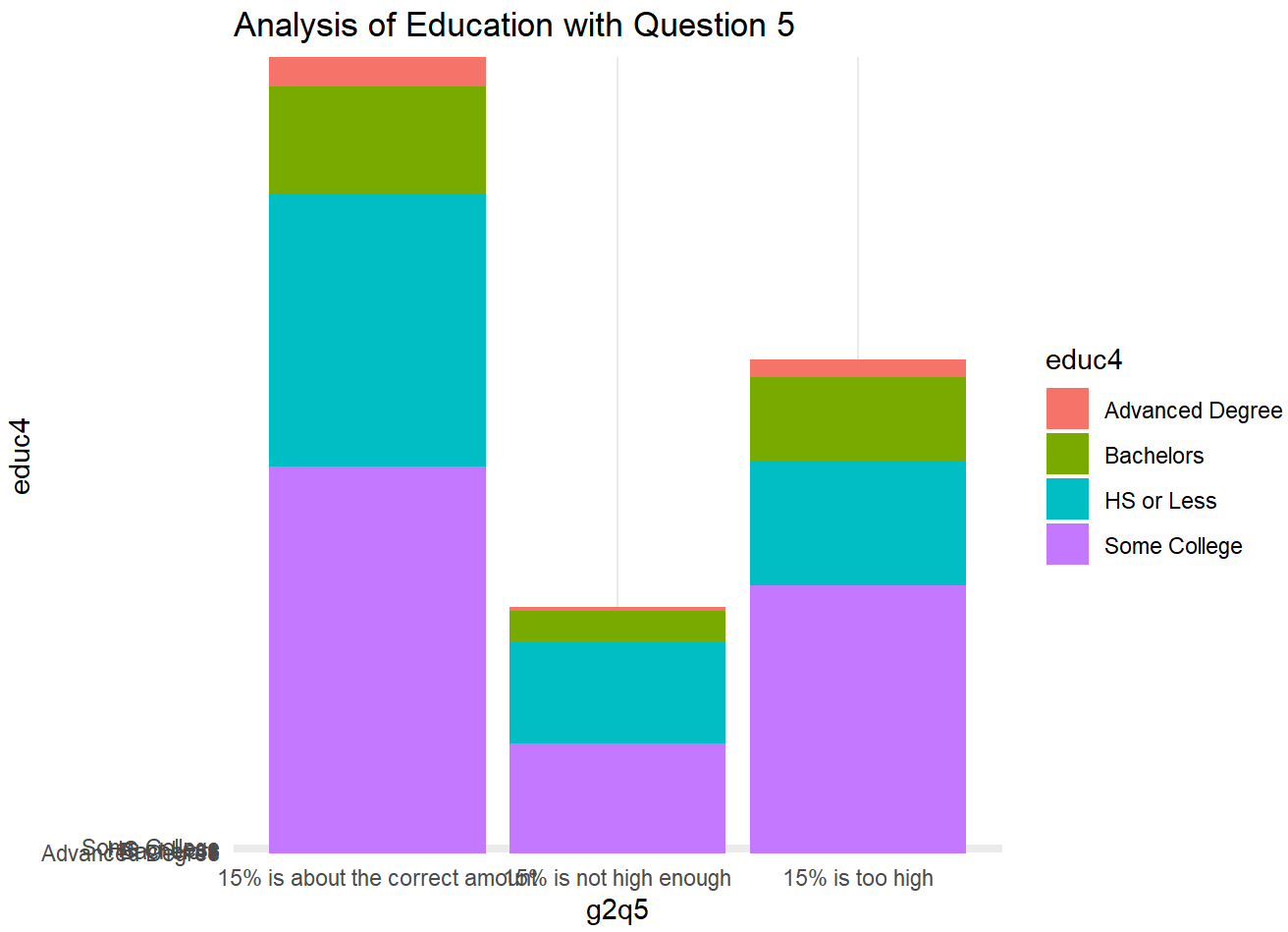

```
educ_q3 <- ggplot(g2,
                          aes(x = g2q3, y = educ4, fill = educ4)) +
  geom_bar(stat = "identity") +
  labs(title = "Analysis of Education with Question 3") +
  theme_minimal()

educ_q3
```




```
educ_q4 <- ggplot(g2,
                          aes(x = g2q4, y = educ4, fill = educ4)) +
  geom_bar(stat = "identity") +
  labs(title = "Analysis of Education with Question 4") +
  theme_minimal()

educ_q4
```




```
educ_q5 <- ggplot(g2,
                          aes(x = g2q5, y = educ4, fill = educ4)) +
  geom_bar(stat = "identity") +
  labs(title = "Analysis of Education with Question 5") +
  theme_minimal()

educ_q5
```




```
#trying out ANOVA test

anova_age <- aov(age ~ g2_group, data = g2)
summary(anova_age)
```

```
             Df Sum Sq Mean Sq F value Pr(>F)
g2_group      2    660   329.9   1.166  0.313
Residuals   260  73557   282.9
```

```
anova_gender <- aov(gender ~ g2_group, data = g2)
summary(anova_gender)
```

```
             Df Sum Sq Mean Sq F value Pr(>F)
g2_group      2   0.17 0.08548   0.339  0.713
Residuals   260  65.56 0.25214
```

```
anova_ethnicity <- aov(ethnicity ~ g2_group, data = g2)
summary(anova_ethnicity)
```

```
             Df Sum Sq Mean Sq F value Pr(>F)
g2_group      2      1   0.274   0.021  0.979
Residuals   260   3424  13.169
```

```r
anova_age1 <- aov(age ~ g2q2, data = g2)
summary(anova_age1)
```

```
             Df Sum Sq Mean Sq F value  Pr(>F)
g2q2          4   4229  1057.2   3.897 0.00432 **
Residuals   258  69989   271.3
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```