

Week 2 Peer Review

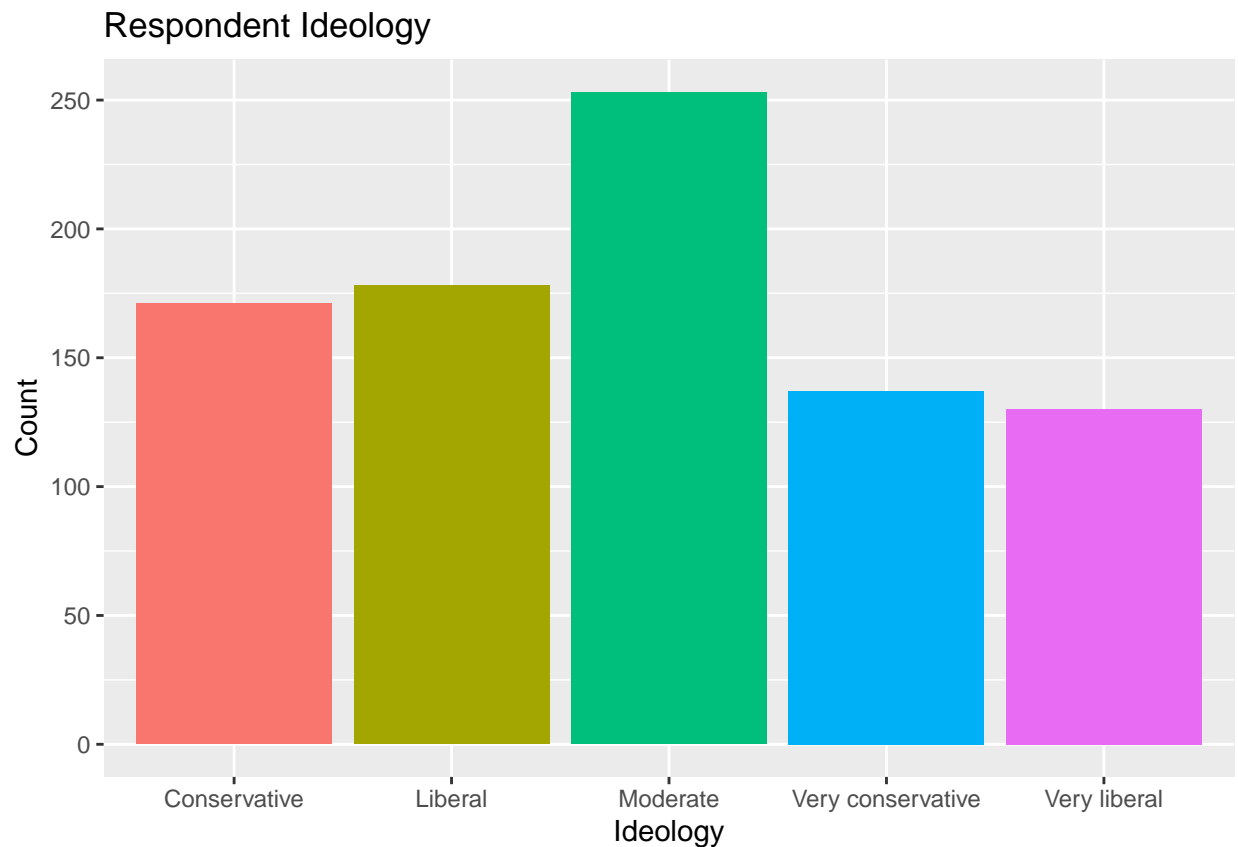
Your objective is to replicate these figures, created using the Cooperative Congressional Election Study data. These figures are similar to those we completed in the lecture videos.

Put your name here: **Minh Tri Bui**

Exercise 1

Hints:

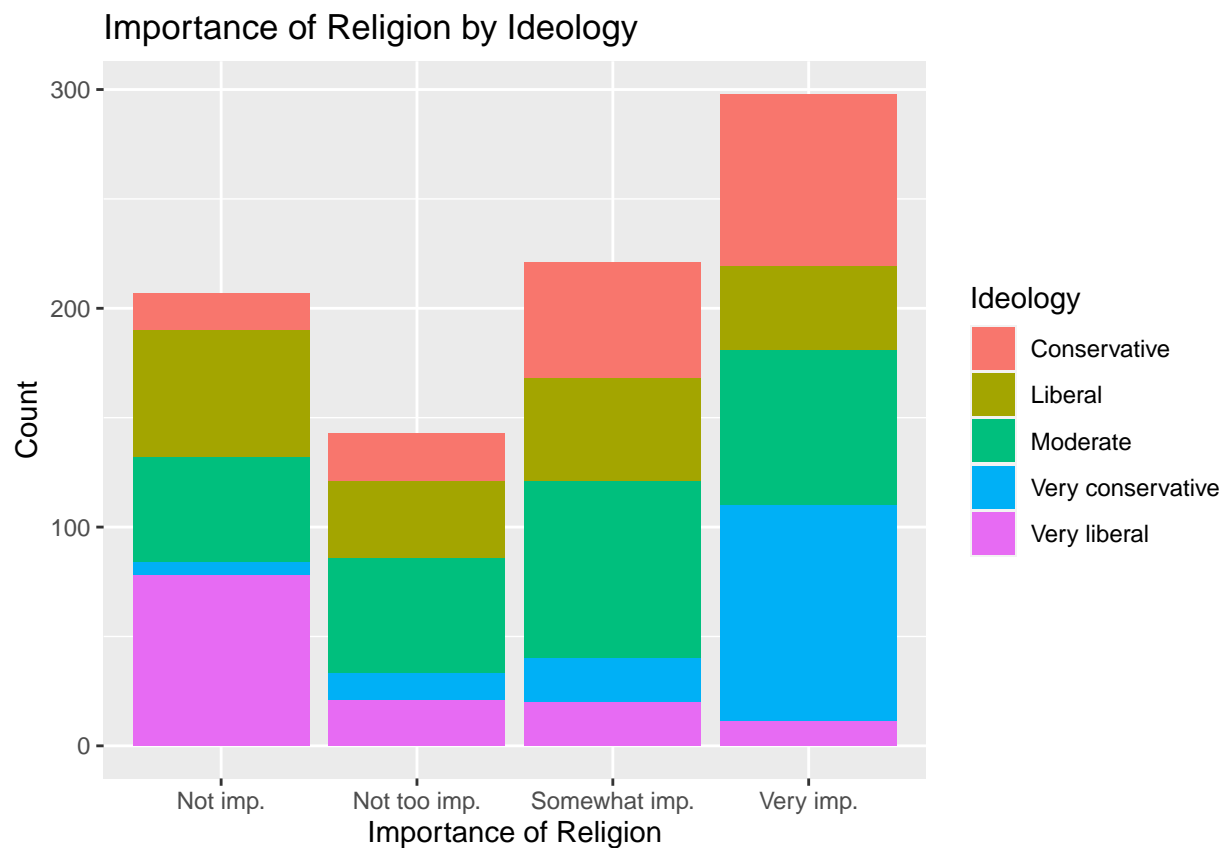
- For the x-axis, use the variable “ideo5”.
- Make sure you recode the data for the “ideo5” variable to generate the correct names for the x-axis. You will want to consult the codebook.
- Use the fill aesthetic to have R fill in the bars. You do not need to set the colors manually.
- Use guides() to drop the legend.
- Make sure the axis labels and figure title are correct.



Exercise 2

Hints:

- For the x-axis, use the variable “pew_religimp”.
- Make sure you recode the data for the “pew_religimp” variable to generate the correct labels for the x-axis. You will want to consult the codebook.
- Rename the column for Ideology to make sure the first letter is upper-case (to make the legend appear correctly).
- Use the fill aesthetic to have R fill in the bars. You do not need to set the colors manually.
- Make sure the axis labels and figure title are correct.



Exercise 3

Instructions:

- For this visualization, you are creating your own data for practice.
- Create a tibble/data frame with three columns: Semester, Student, and Grade.
- There should be six semesters and three students (Amanda, Betty, and Carol)

- Create grades for the students using the `runif()` command, with values between 80 and 100. Hint: you'll need 18 grades total.

The figure should look approximately like this (your vaules will be slightly different):

```
## # A tibble: 18 x 3
##   Semester Student Grade
##   <int>   <chr>   <dbl>
## 1         1 Amada    82.3
## 2         2 Amada    92.4
## 3         3 Amada    92.2
## 4         4 Amada    92.5
## 5         5 Amada    97.2
## 6         6 Amada    92.8
## 7         1 Betty    80.2
## 8         2 Betty    84.7
## 9         3 Betty    93.3
## 10        4 Betty    90.3
## 11        5 Betty    93.9
## 12        6 Betty    90.9
## 13        1 Carol    85.7
## 14        2 Carol    98.5
## 15        3 Carol    85.8
## 16        4 Carol    96.7
## 17        5 Carol    85.7
## 18        6 Carol    85.3
```

Student Grades by Semester

