

## DC Answers 2

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.

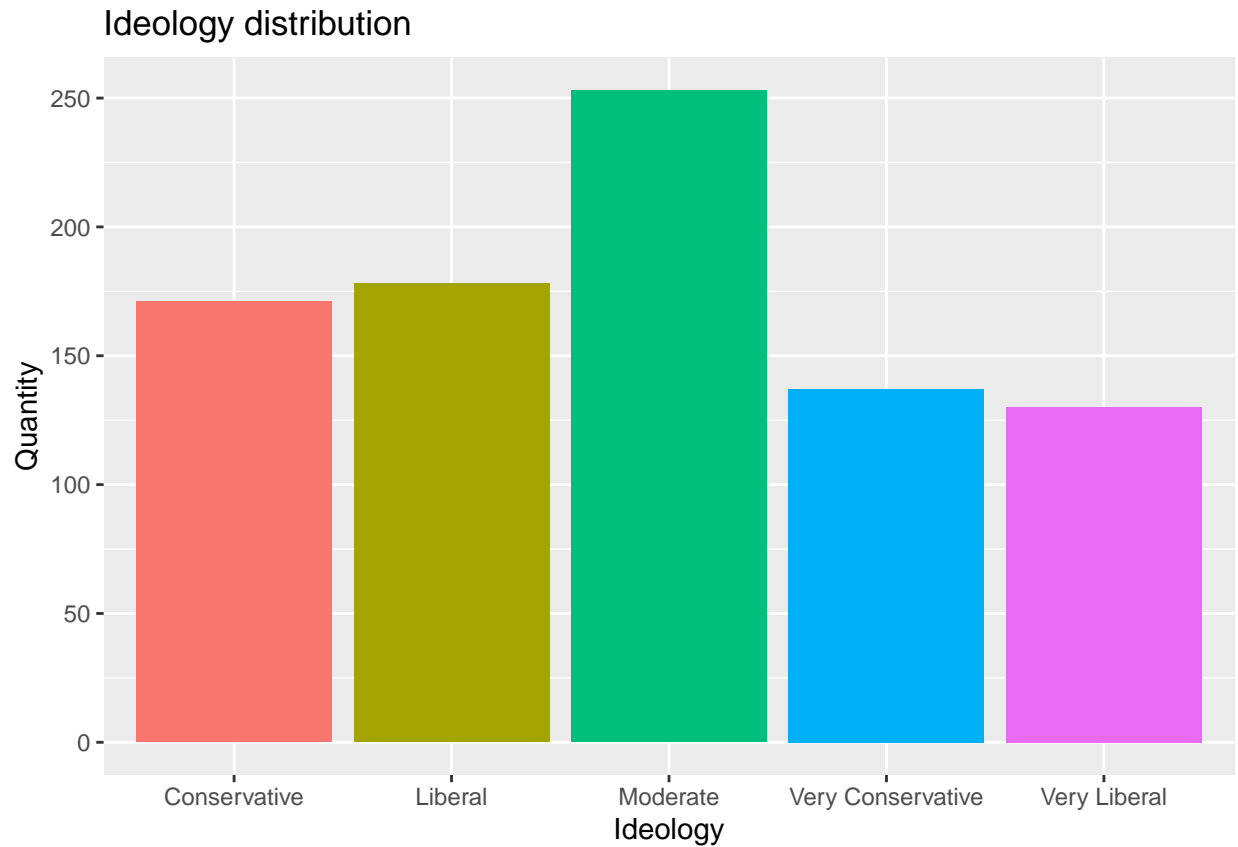
**Put your name here:**

### 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.

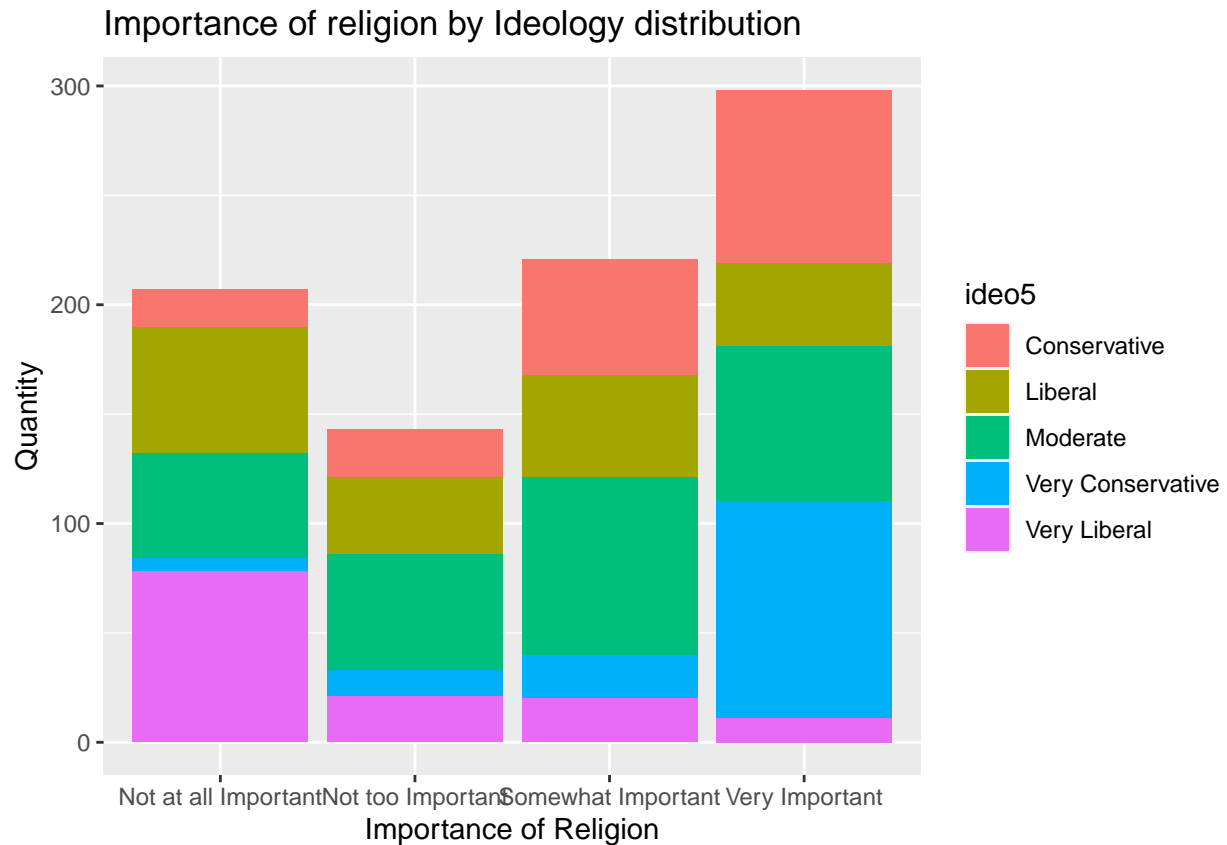
```
## Warning: The '<scale>' argument of 'guides()' cannot be 'FALSE'. Use "none" instead as
## of ggplot2 3.3.4.
## This warning is displayed once every 8 hours.
## Call 'lifecycle::last_lifecycle_warnings()' to see where this warning was
## generated.
```



## 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   95.7
## 2         2 Amada   91.7
## 3         3 Amada   84.6
## 4         4 Amada   97.5
## 5         5 Amada   94.1
## 6         6 Amada   96.9
## 7         1 Betty   98.1
```

##	8	2 Betty	96.7
##	9	3 Betty	86.4
##	10	4 Betty	81.8
##	11	5 Betty	98.4
##	12	6 Betty	86.2
##	13	1 Carol	85.3
##	14	2 Carol	89.4
##	15	3 Carol	82.2
##	16	4 Carol	80.9
##	17	5 Carol	92.7
##	18	6 Carol	84.6

