

Stat 245 – RStudio-Jump Start

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Read in Data

```
wrdata <-  
  readr::read_csv('https://sldr.netlify.app/data/sustainable-livelihoods.csv',  
                  show_col_types = FALSE)  
  
gf_percents(~ Leadership_Program, fill = ~ Management_Confidence,  
            data = wrdata, na.rm = TRUE)
```



Question

How did participation in the Leadership program affect the management confidence?

I chose a bar graph because Management_Confidence and Leadership_Program are categorical variables. I wanted to visualize the difference in the percentage of

people's participation in the Leadership program. Since there is a visible difference in the percentage, a bar graph was my first choice. Furthermore, I made it a stacked bar graph to show the difference in Management_Confidence within those who participated in the leadership program and those who didn't. A stacked bar graph makes it easier to estimate the percentage within a category.

We can see that those who participated in the leadership program had more management confidence than those who didn't participate.

I think I could use a pie graph to visualize these variables. The percentage of those who participated in the leadership program and those who did not, adds up to 100% and the comparison will be more evident.