

Plotting a small Likert dataset for 6 groups

Module 6 Plotting

June 2016

This is a small example using ggplot2 Data is put in as labels, and then the counts in each of the Likert category as a dataframe, which uses the labels It shows how to add data and plot 6 plots in a grid. The x axis is a Likert scale

```
library(ggplot2)
```

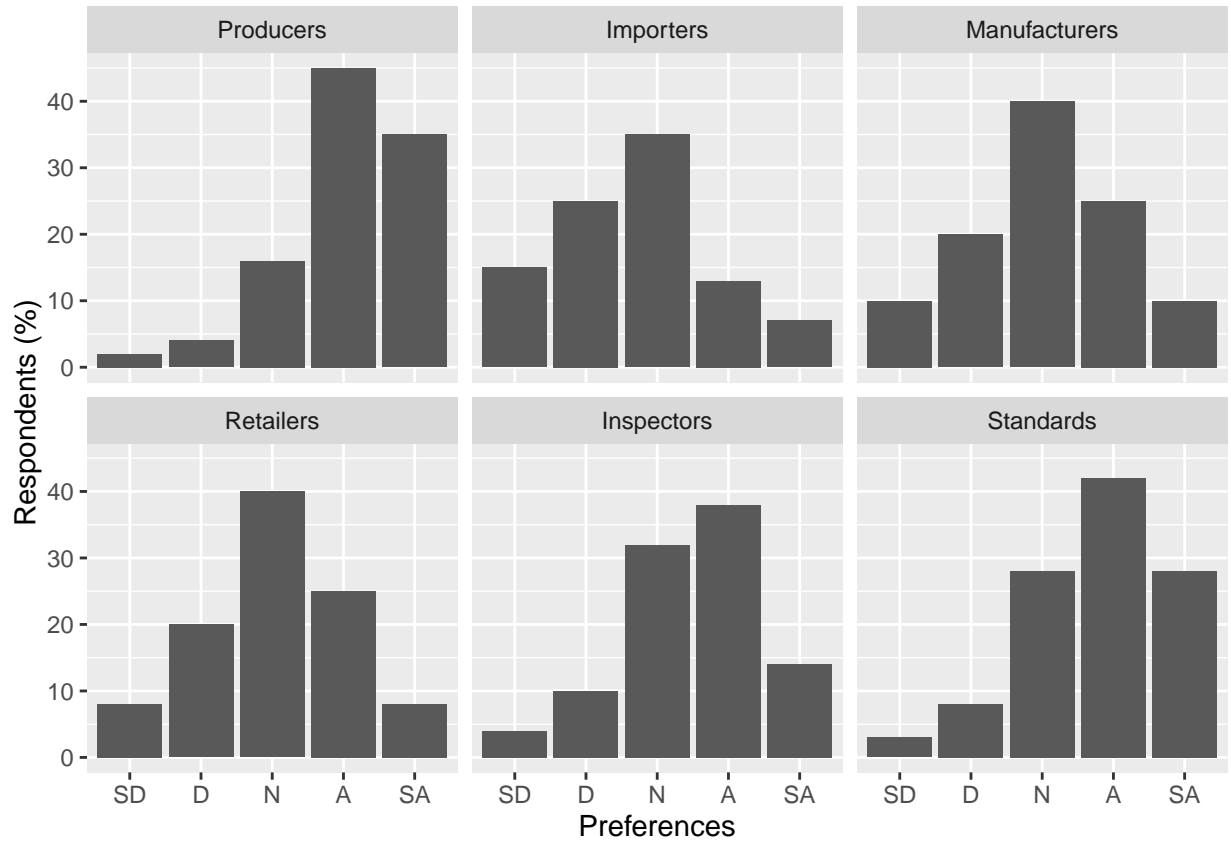
```
## Warning: package 'ggplot2' was built under R version 3.2.5
```

```
typeBus <- c("Producers", "Importers", "Manufacturers", "Retailers",  
            "Inspectors", "Standards")  
  
subcat <- c("SD", "D", "N", "A", "SA")  
  
head(dat1 <- data.frame(sector = gl(6, 5, length = 30, labels = typeBus),  
                        Preferences = gl(5, 1, length = 30, labels = subcat),  
                        perc = c(2, 4, 16, 45, 35, 15, 25, 35, 13, 7,  
                                10, 20, 40, 25, 10, 8, 20, 40, 25, 8,  
                                4, 10, 32, 38, 14, 3, 8, 28, 42, 28)))
```

```
##      sector Preferences perc  
## 1 Producers          SD     2  
## 2 Producers           D     4  
## 3 Producers           N    16  
## 4 Producers           A    45  
## 5 Producers          SA    35  
## 6 Importers          SD    15
```

```
## bar plot
```

```
ggplot(dat1, aes(Preferences, perc)) + facet_wrap(~sector, nrow = 2) +  
  geom_bar(stat = "identity") + ylab("Respondents (%)")
```



bar plot with thinner bars

```
ggplot(dat1, aes(Preferences, perc)) + facet_wrap(~sector, nrow = 2) +
  geom_bar(stat = "identity", width = 0.6) + ylab("Respondents (%)")
```

