

DataFest_Analysis

S²LZ₂

```
library(tidyverse)
library(knitr)
library(broom)
library(nnet) # for multinomial logistic regression
library(patchwork)
```

R Markdown

```
CA <- read_csv("~/df_data/CA/ca.csv")
DE <- read_csv("~/df_data/DE/de.csv")
UK <- read_csv("~/df_data/UK/uk.csv")
US18 <- read_csv("~/df_data/US/us_18.csv")
US19 <- read_csv("~/df_data/US/us_19.csv")
```

Including Plots

```
## # A tibble: 187 x 2
##   names      x
##   <chr>    <dbl>
## 1 DATE      0
## 2 STATUS    0
## 3 DEM_GENDER 0
## 4 DEM_AGE    0
## 5 DEM_STDNT  0
## 6 DEM_VET    0
## 7 DEM_HEALTH 0
## 8 DEM_LOCATION 0
## 9 DEM_POSTAL 0
## 10 DEM_MARITAL 0
## # ... with 177 more rows

## # A tibble: 185 x 2
##   names      x
##   <chr>    <dbl>
## 1 DATE      0
## 2 STATUS    0
## 3 QLANG     0
## 4 DEM_GENDER 0
## 5 DEM_AGE    0
## 6 DEM_ABOR   0
## 7 DEM_ABOR_TYPE 9574
## 8 DEM_STDNT  0
## 9 DEM_VET    0
## 10 DEM_HEALTH 0
```

```

## # ... with 175 more rows

## # A tibble: 199 x 2
##   names      x
##   <chr>    <dbl>
## 1 DATE      0
## 2 STATUS    0
## 3 DEM_GENDER 0
## 4 DEM_AGE    0
## 5 DEM_STDNT  0
## 6 DEM_VET    0
## 7 DEM_HEALTH 0
## 8 DEM_POSTAL 0
## 9 DEM_HISPANIC 0
## 10 DEM_RACE  0
## # ... with 189 more rows

## # A tibble: 523 x 2
##   names      x
##   <chr>    <dbl>
## 1 DATE      0
## 2 STATUS    0
## 3 QLANG      0
## 4 DEM_GENDER 0
## 5 DEM_AGE    0
## 6 DEM_POSTAL 0
## 7 DEM_REGION 0
## 8 DEM_INCOME 0
## 9 DEM_HOME   0
## 10 DEM_GENHEALTH 0
## # ... with 513 more rows

## # A tibble: 523 x 2
##   names      x
##   <chr>    <dbl>
## 1 DATE      0
## 2 STATUS    0
## 3 QLANG      0
## 4 DEM_GENDER 0
## 5 DEM_AGE    0
## 6 DEM_POSTAL 0
## 7 DEM_REGION 0
## 8 DEM_INCOME 0
## 9 DEM_HOME   0
## 10 DEM_GENHEALTH 0
## # ... with 513 more rows

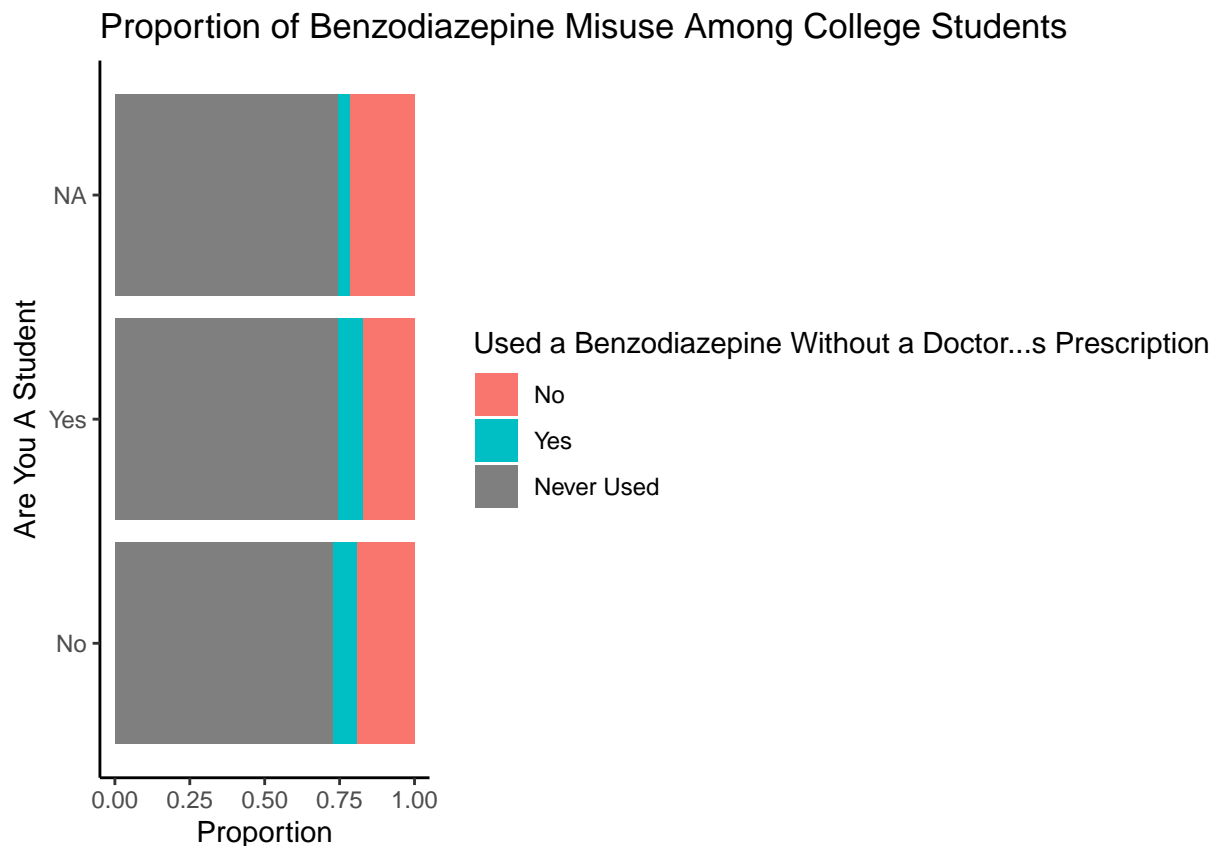
## # A tibble: 156 x 2
##   names      x
##   <chr>    <dbl>
## 1 DATE      0
## 2 STATUS    0
## 3 QLANG      0
## 4 DEM_GENDER 0
## 5 DEM_AGE    0
## 6 DEM_LOCATION 0

```

```
## 7 DEM_POSTAL      0
## 8 DEM_STDNT       0
## 9 DEM_VET         0
## 10 DEM_HEALTH     0
## # ... with 146 more rows
```

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

```
ggplot(data = US18, aes(x = factor(DEM_COLLEGE), fill = factor(BENZ_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "No",
                            "1" = "Yes",
                            "NA" = "Not a Student in the past 3 months"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "Are You A Student",
       fill = "Used a Benzodiazepine Without a Doctor's Prescription ",
       title = "Proportion of Benzodiazepine Misuse Among College Students")
```

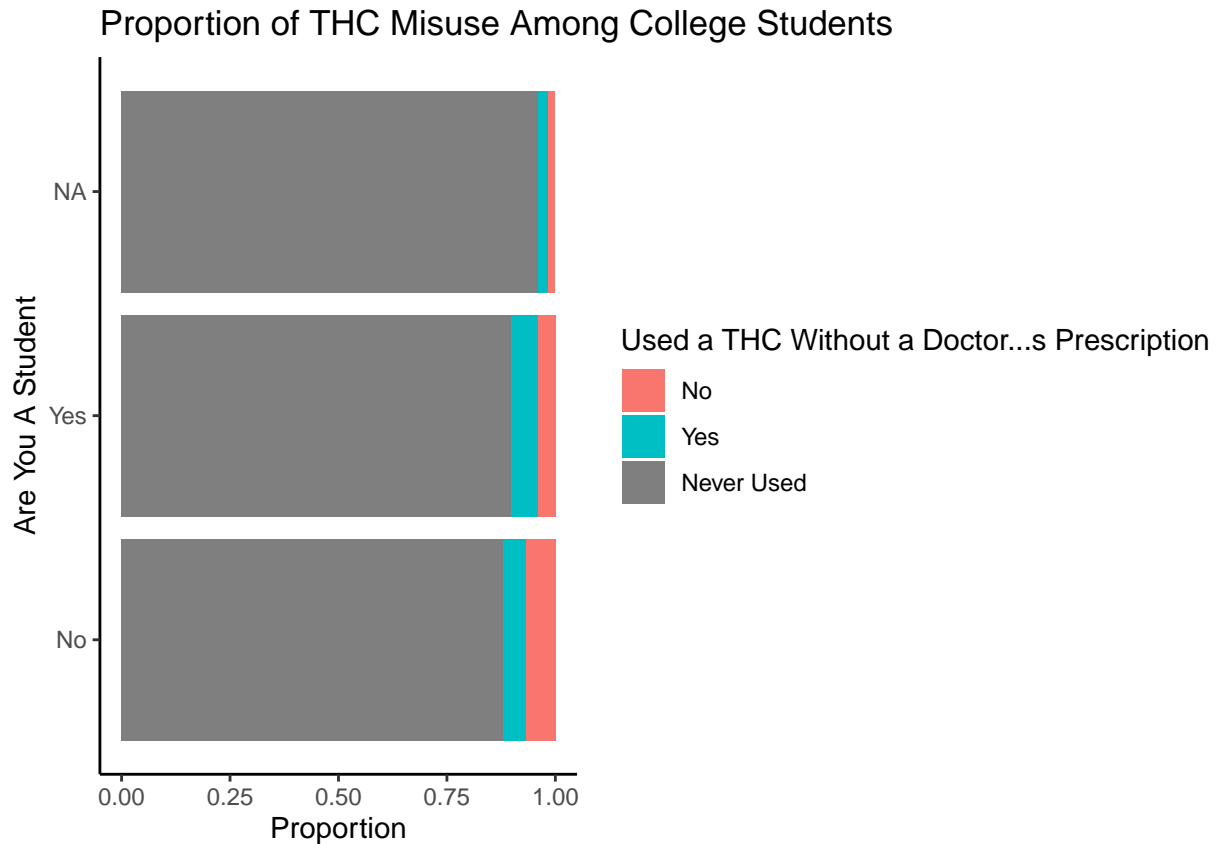


```
ggplot(data = US18, aes(x = factor(DEM_COLLEGE), fill = factor(THC_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
```

```

scale_x_discrete(labels=c("0" = "No",
                          "1" = "Yes",
                          "NA" = "Not a Student in the past 3 months"))+
theme_classic() +
labs(y = "Proportion",
     x = "Are You A Student",
     fill = "Used a THC Without a Doctor's Prescription ",
     title = "Proportion of THC Misuse Among College Students")

```

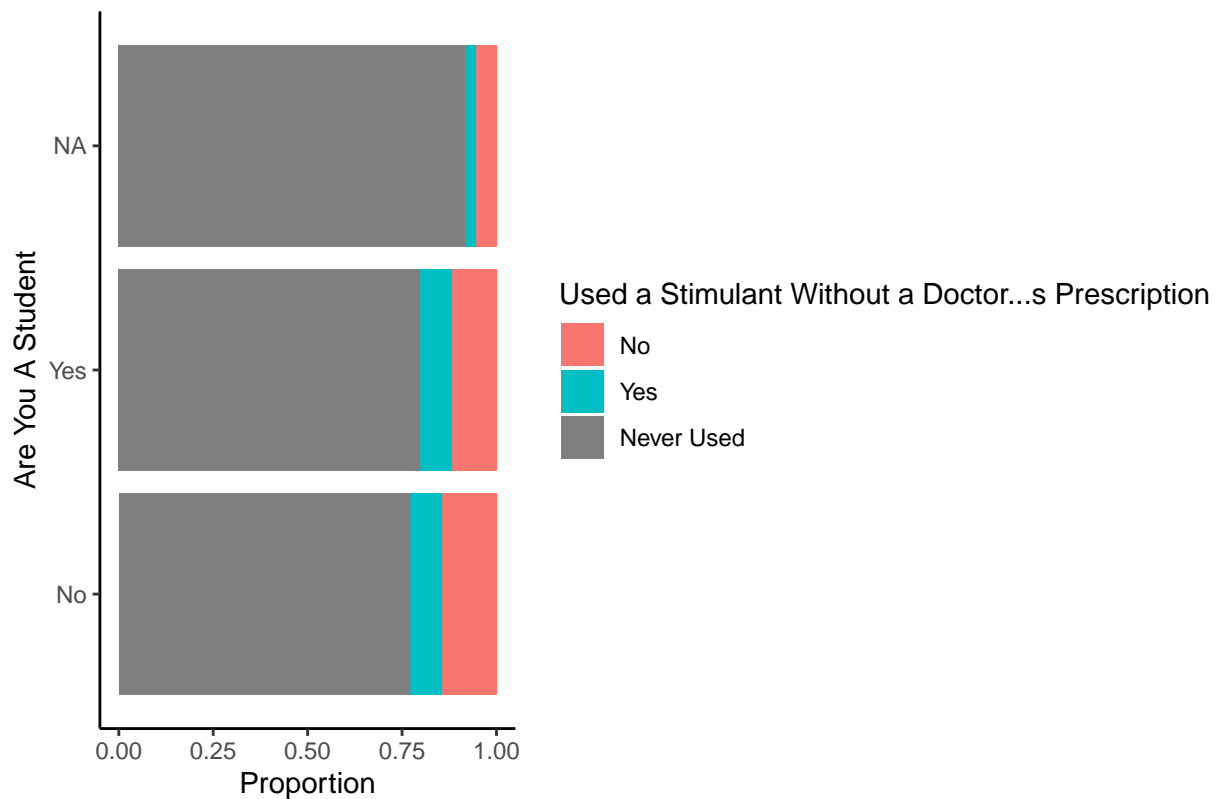


```

ggplot(data = US18, aes(x = factor(DEM_COLLEGE), fill = factor(STIM_NMU)))+
geom_bar(position = "fill")+
coord_flip()+
scale_fill_discrete(labels = c("No", "Yes",
                              "Never Used")) +
scale_x_discrete(labels=c("0" = "No",
                          "1" = "Yes",
                          "NA" = "Not a Student in the past 3 months"))+
theme_classic() +
labs(y = "Proportion",
     x = "Are You A Student",
     fill = "Used a Stimulant Without a Doctor's Prescription ",
     title = "Proportion of Stimulant Misuse Among College Students")

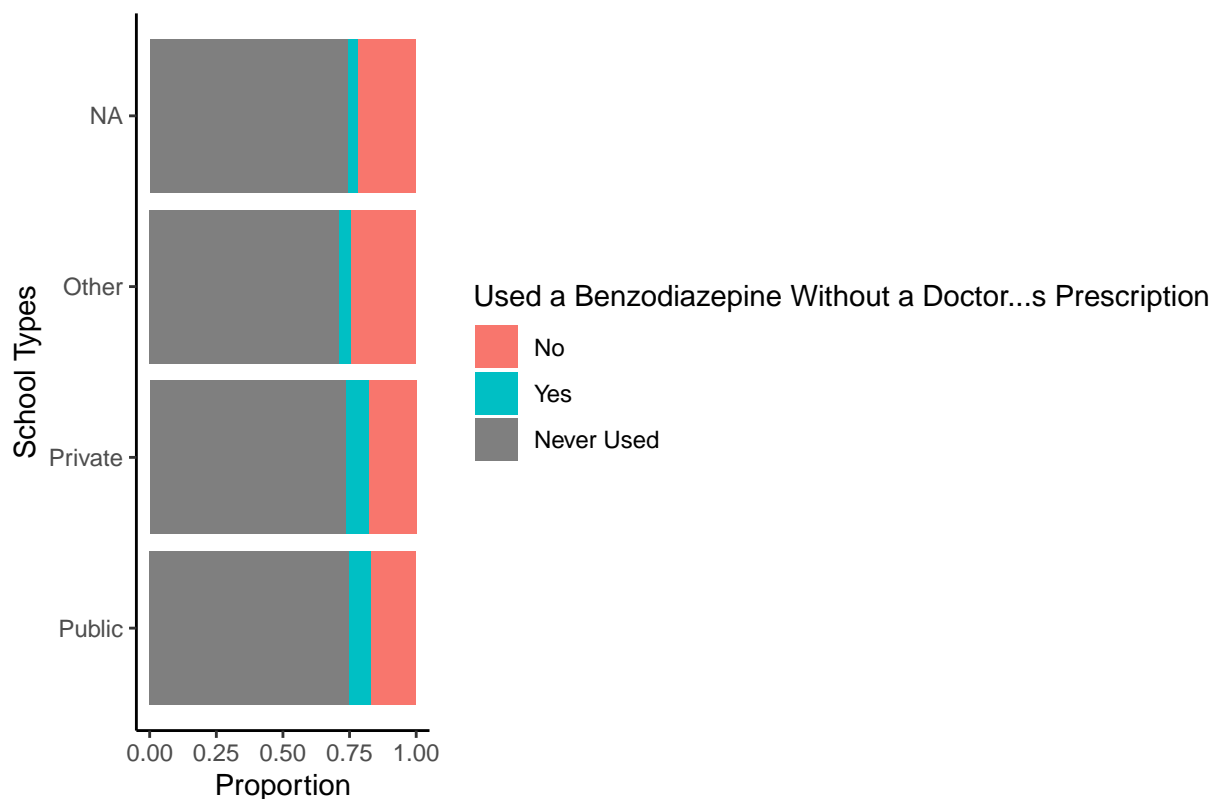
```

Proportion of Stimulant Misuse Among College Students



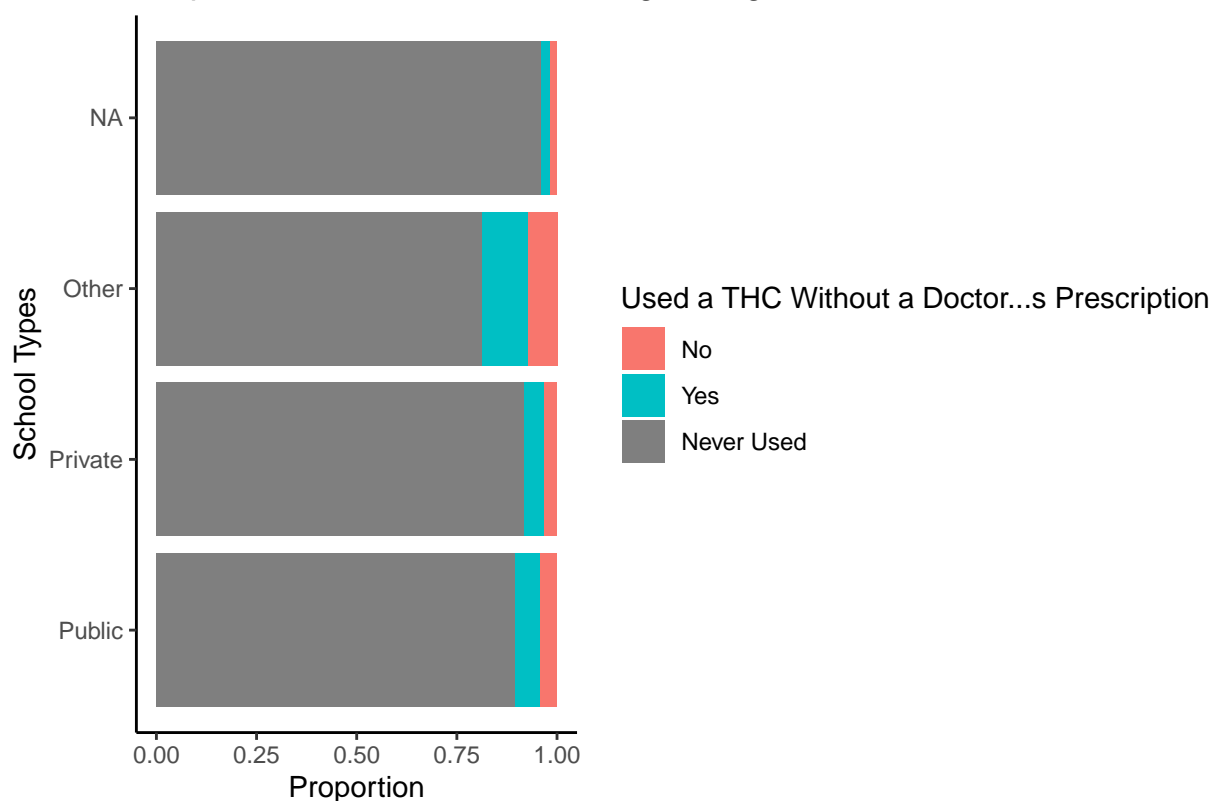
```
ggplot(data = US18, aes(x = factor(COLLEGE_TYPE), fill = factor(BENZ_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "Public",
                           "1" = "Private",
                           "2" = "Other"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "School Types",
       fill = "Used a Benzodiazepine Without a Doctor's Prescription ",
       title = "Proportion of Benzodiazepine Misuse Among College Students")
```

Proportion of Benzodiazepine Misuse Among College Students



```
ggplot(data = US18, aes(x = factor(COLLEGE_TYPE), fill = factor(THC_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "Public",
                            "1" = "Private",
                            "2" = "Other"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "School Types",
       fill = "Used a THC Without a Doctor's Prescription ",
       title = "Proportion of THC Misuse Among College Students")
```

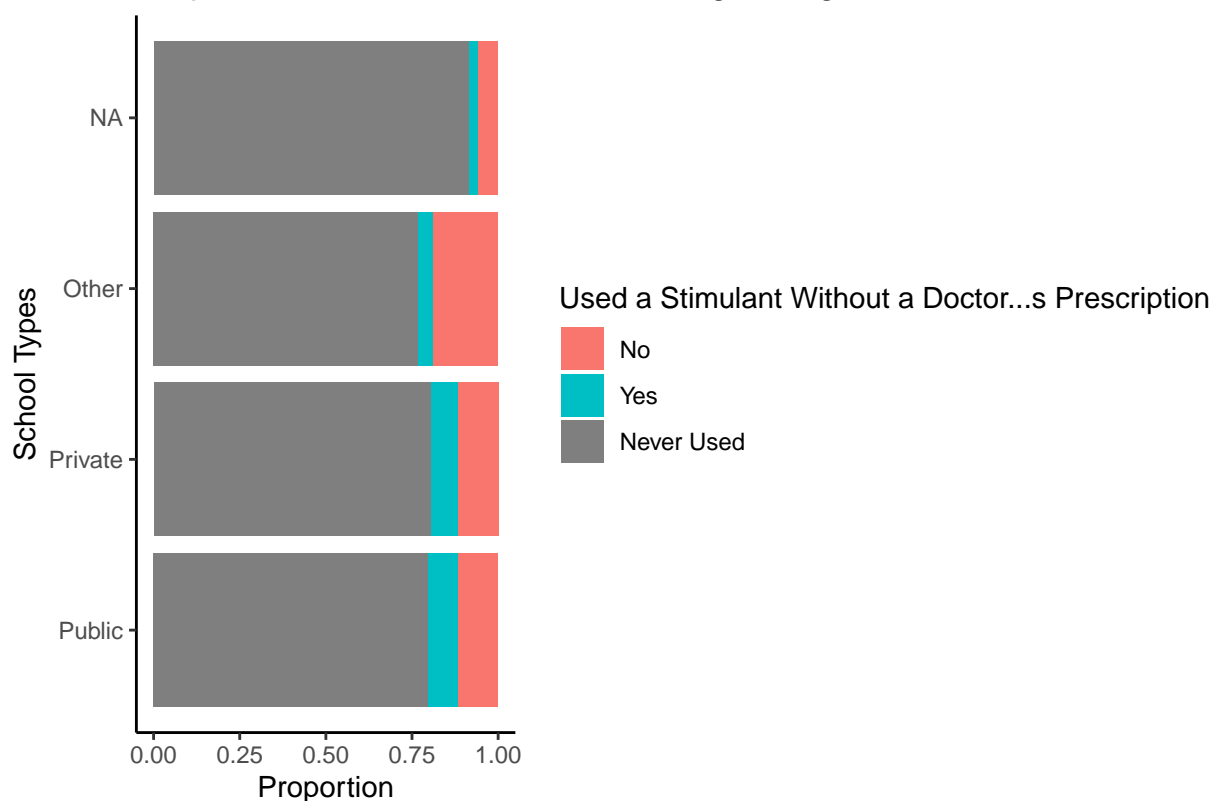
Proportion of THC Misuse Among College Students



```
ggplot(data = US18, aes(x = factor(COLLEGE_TYPE), fill = factor(STIM_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "Public",
                            "1" = "Private",
                            "2" = "Other"))+

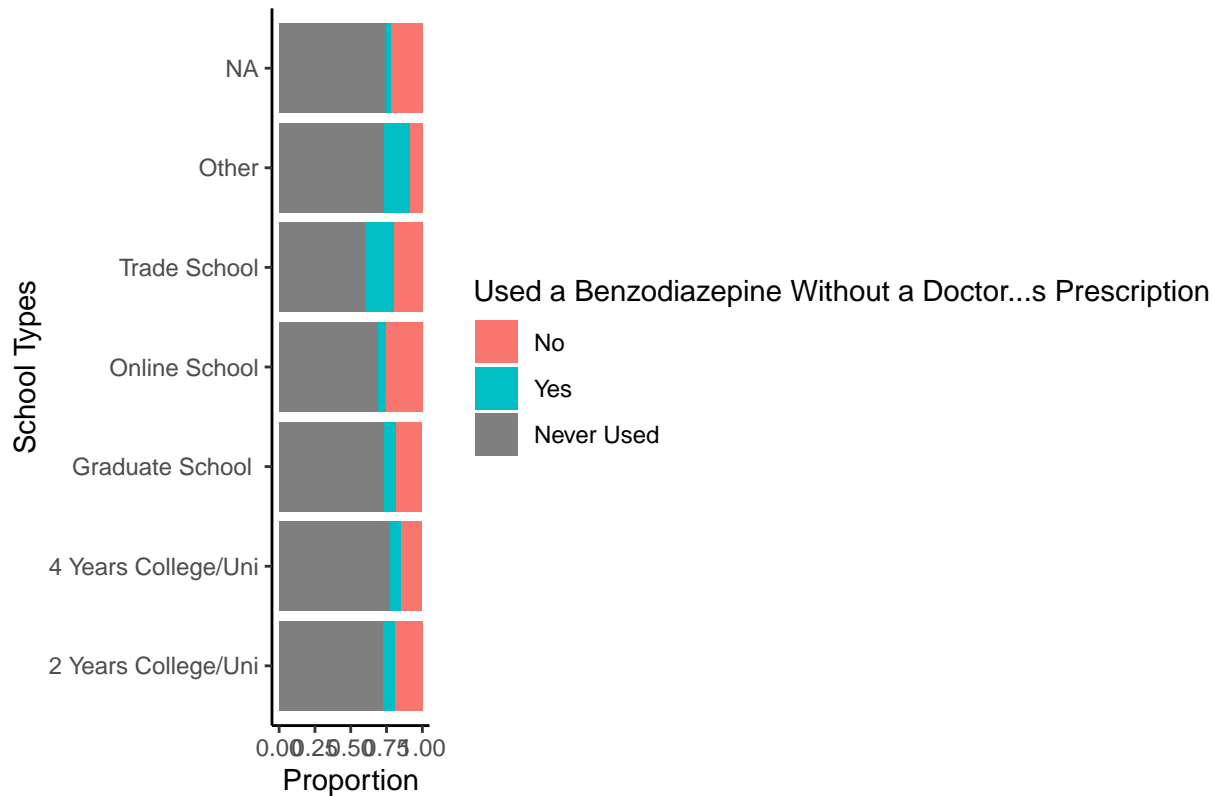
  theme_classic() +
  labs(y = "Proportion",
       x = "School Types",
       fill = "Used a Stimulant Without a Doctor's Prescription ",
       title = "Proportion of Stimulant Misuse Among College Students")
```

Proportion of Stimulant Misuse Among College Students

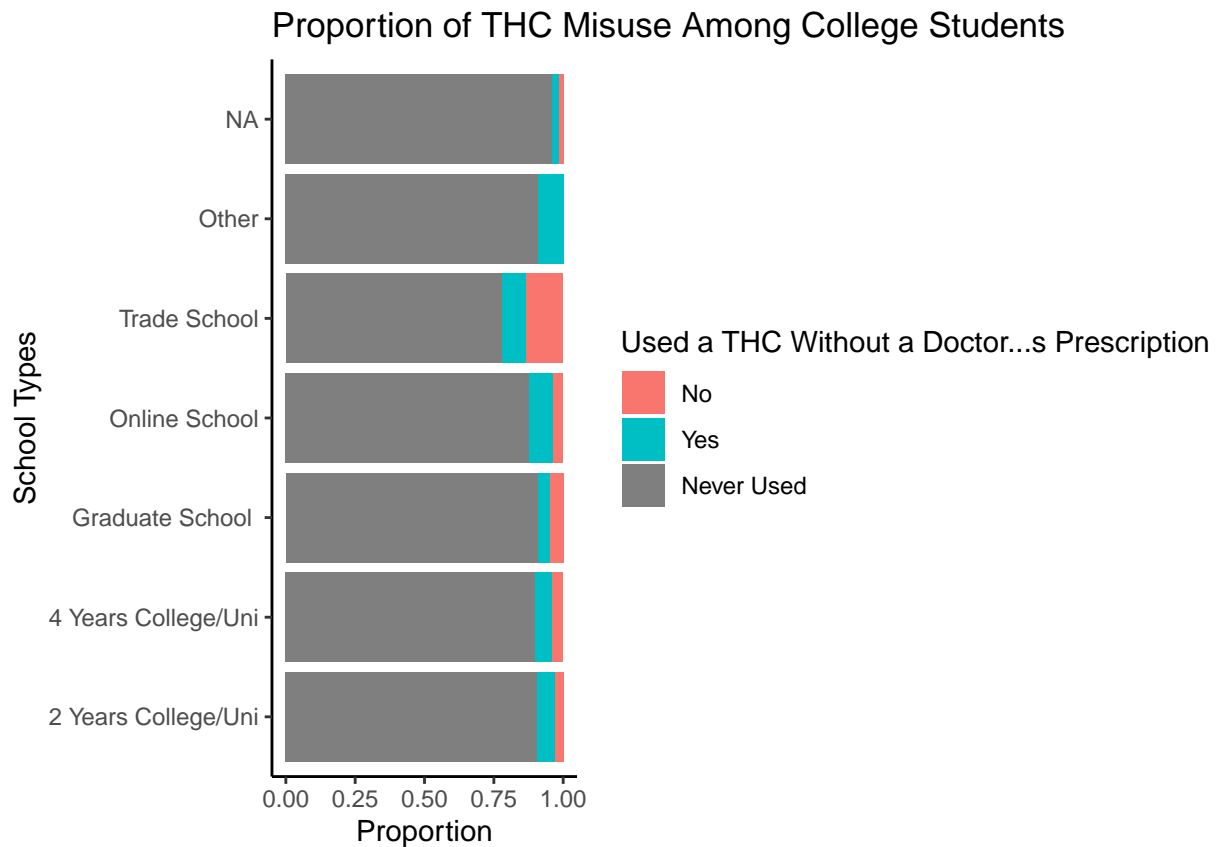


```
ggplot(data = US18, aes(x = factor(COLLEGE_LENGTH), fill = factor(BENZ_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("1" = "2 Years College/Uni",
                           "2" = "4 Years College/Uni",
                           "3" = "Graduate School ",
                           "4" = "Online School",
                           "5" = "Trade School",
                           "6" = "Other",
                           "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "School Types",
       fill = "Used a Benzodiazepine Without a Doctor's Prescription ",
       title = "Proportion of Benzodiazepine Misuse Among College Students")
```


Proportion of Benzodiazepine Misuse Among College Students

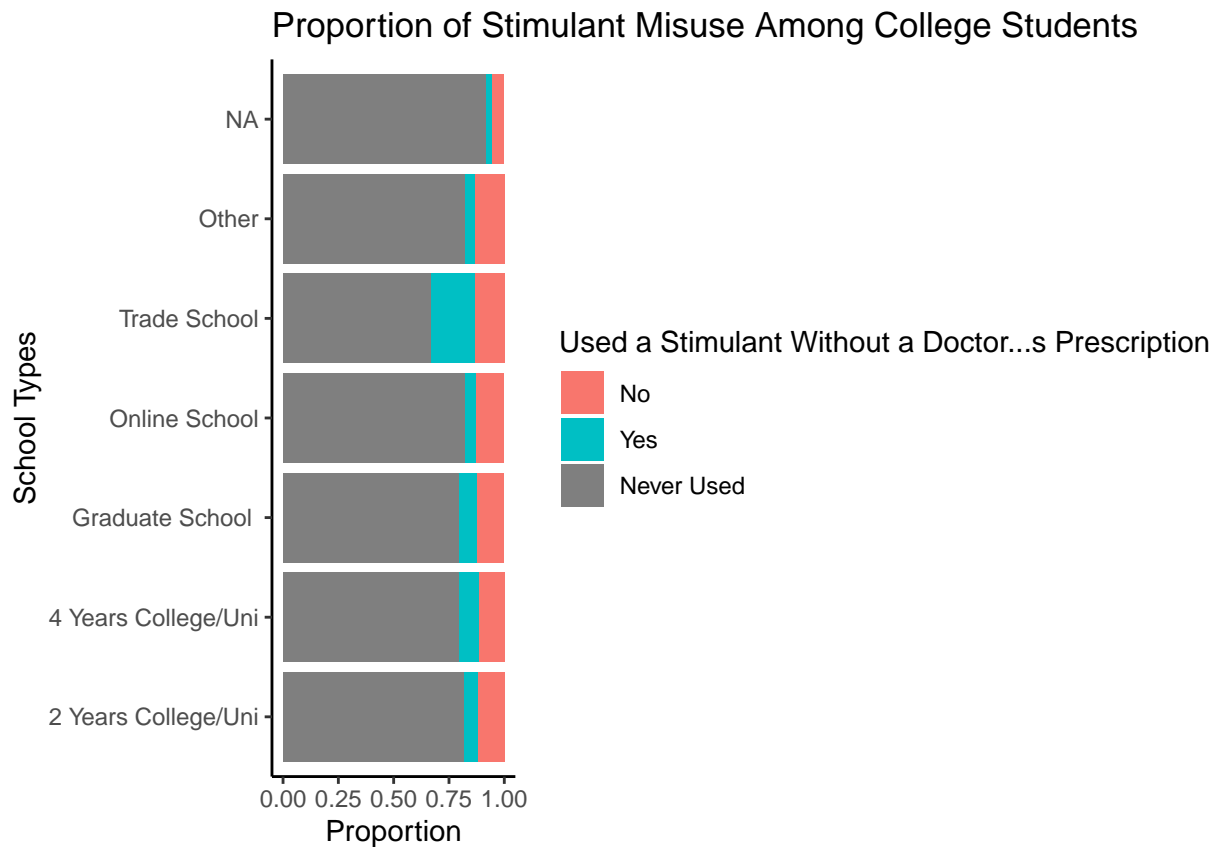


```
ggplot(data = US18, aes(x = factor(COLLEGE_LENGTH), fill = factor(THC_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("1" = "2 Years College/Uni",
                           "2" = "4 Years College/Uni",
                           "3" = "Graduate School ",
                           "4" = "Online School",
                           "5" = "Trade School",
                           "6" = "Other",
                           "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "School Types",
       fill = "Used a THC Without a Doctor's Prescription ",
       title = "Proportion of THC Misuse Among College Students")
```



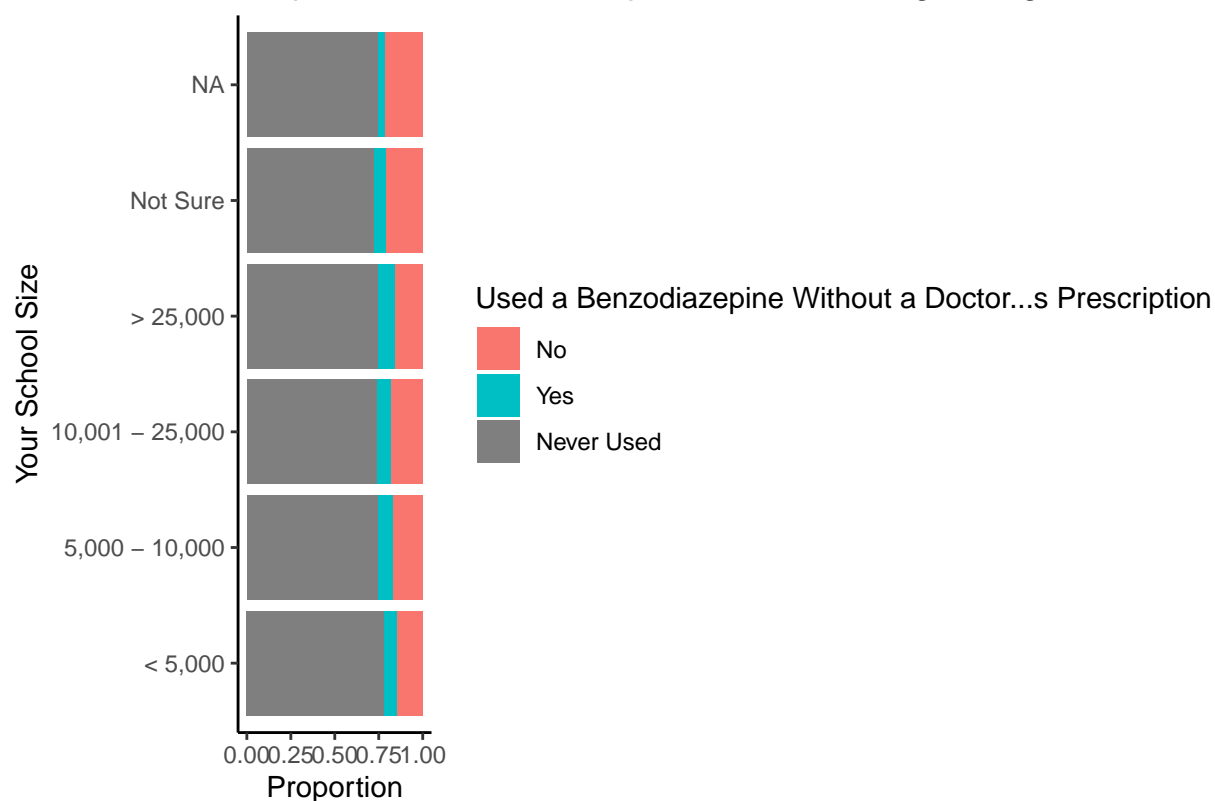
```
ggplot(data = US18, aes(x = factor(COLLEGE_LENGTH), fill = factor(STIM_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("1" = "2 Years College/Uni",
                           "2" = "4 Years College/Uni",
                           "3" = "Graduate School ",
                           "4" = "Online School",
                           "5" = "Trade School",
                           "6" = "Other",
                           "NA" = "Not A Student"))+

  theme_classic() +
  labs(y = "Proportion",
       x = "School Types",
       fill = "Used a Stimulant Without a Doctor's Prescription ",
       title = "Proportion of Stimulant Misuse Among College Students")
```

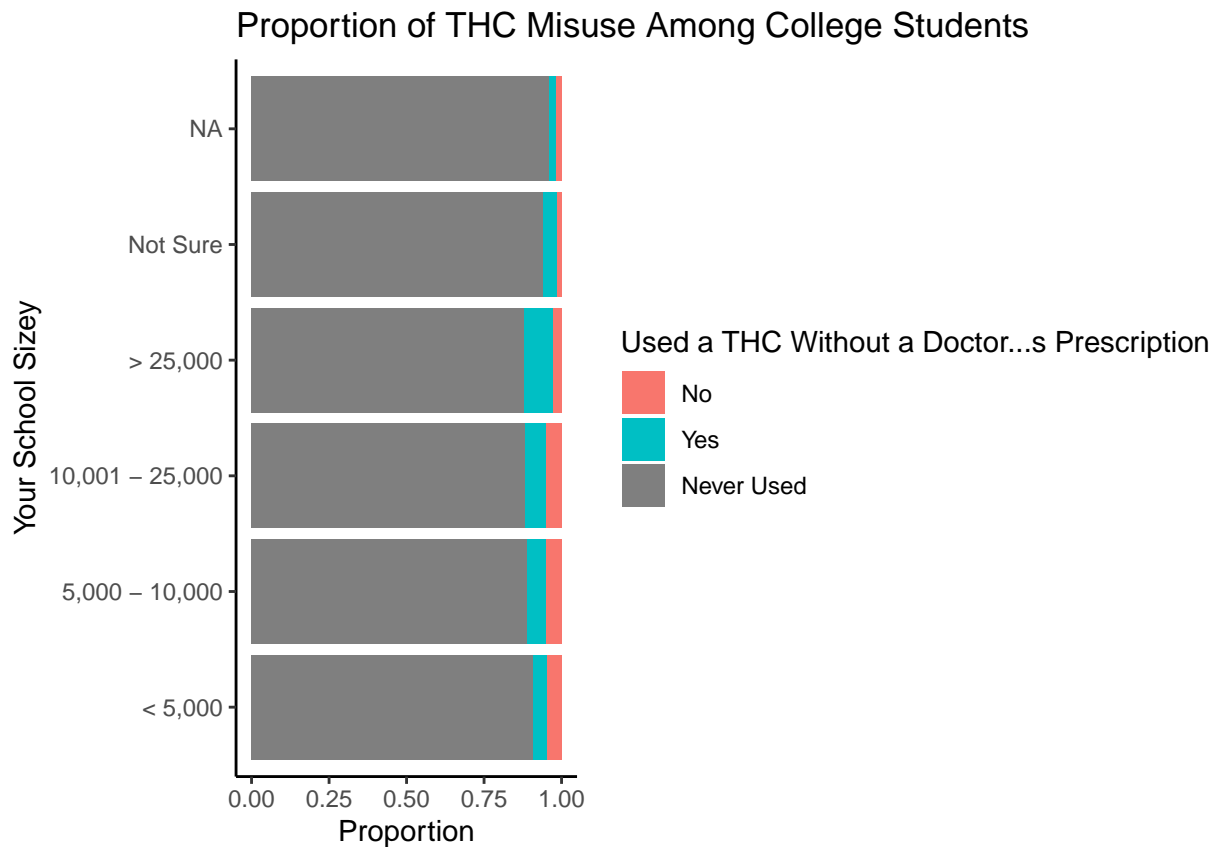


```
ggplot(data = US18, aes(x = factor(COLLEGE_SIZE), fill = factor(BENZ_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "< 5,000", "1" = "5,000 - 10,000",
                            "2" = "10,001 - 25,000",
                            "3" = "> 25,000",
                            "4" = "Not Sure",
                            "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "Your School Size",
       fill = "Used a Benzodiazepine Without a Doctor's Prescription ",
       title = "Proportion of Benzodiazepine Misuse Among College Students")
```

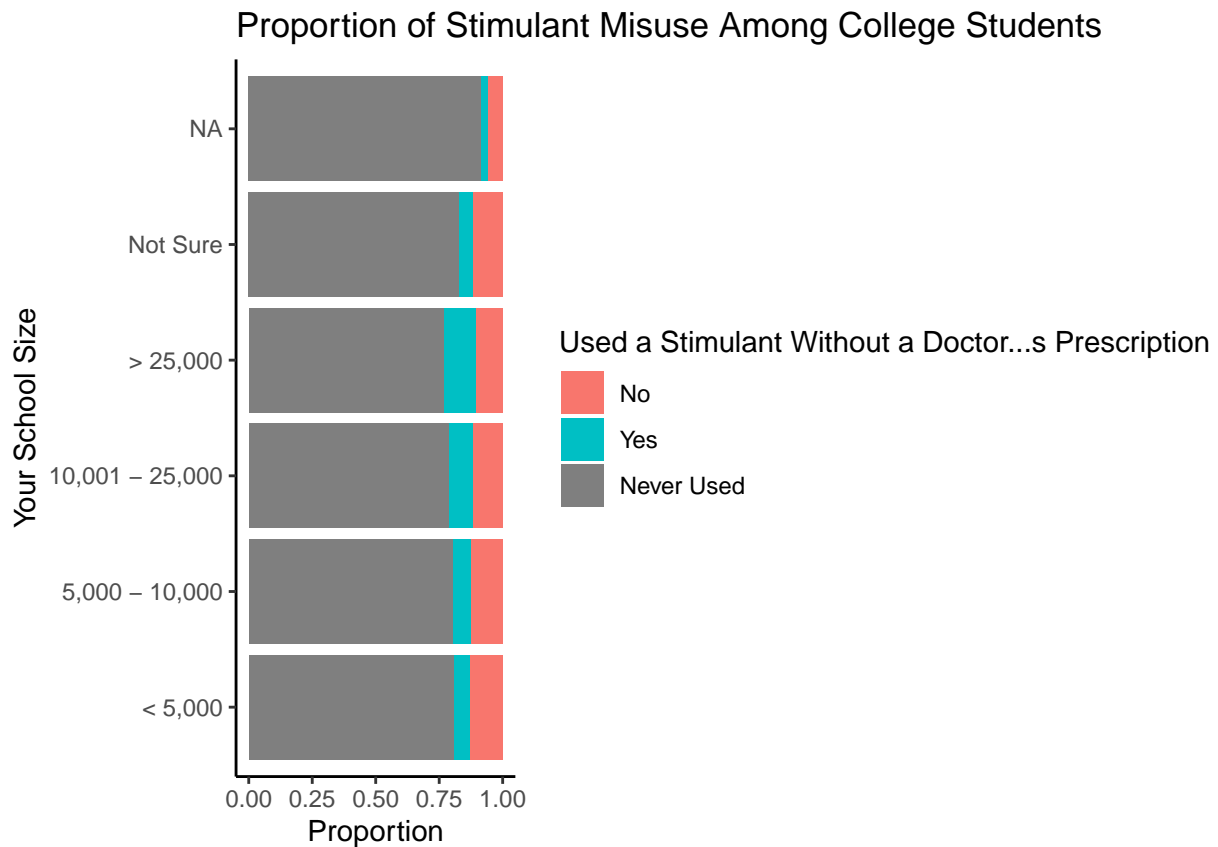
Proportion of Benzodiazepine Misuse Among College Students



```
ggplot(data = US18, aes(x = factor(COLLEGE_SIZE), fill = factor(THC_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "< 5,000", "1" = "5,000 - 10,000",
                            "2" = "10,001 - 25,000",
                            "3" = "> 25,000",
                            "4" = "Not Sure",
                            "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "Your School Size",
       fill = "Used a THC Without a Doctor's Prescription ",
       title = "Proportion of THC Misuse Among College Students")
```

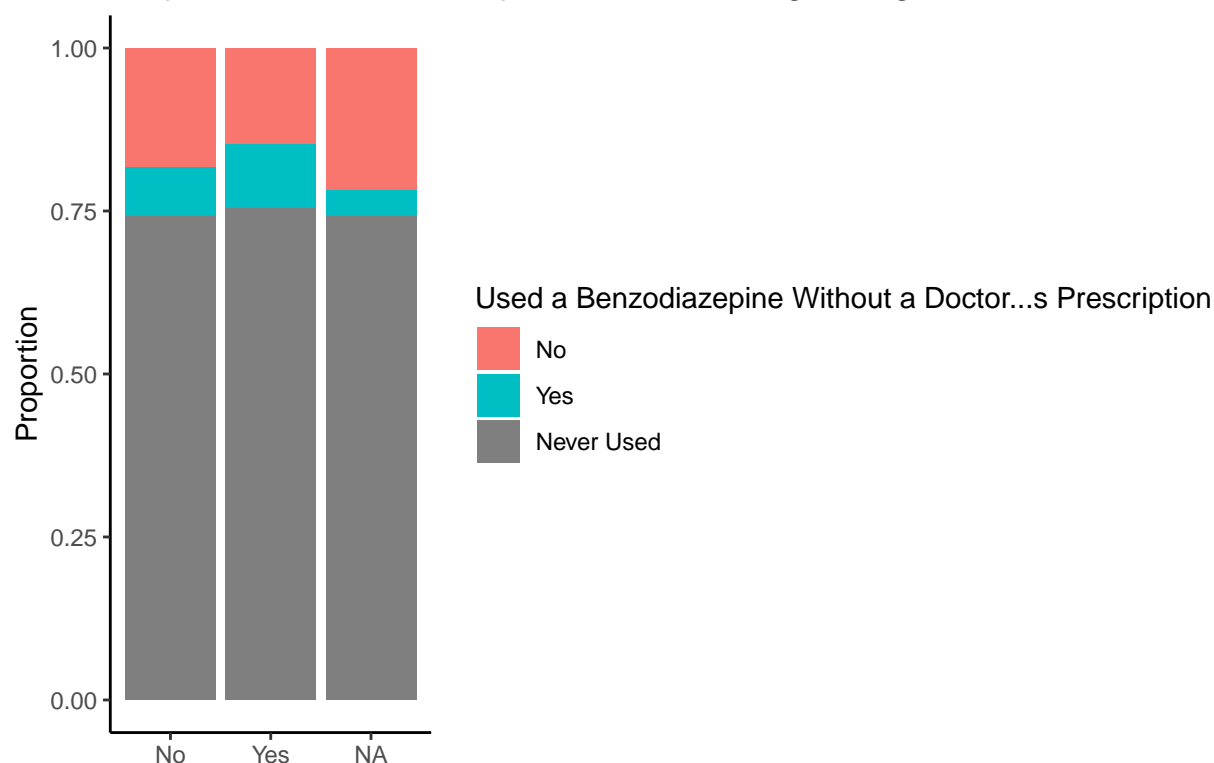


```
ggplot(data = US18, aes(x = factor(COLLEGE_SIZE), fill = factor(STIM_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "< 5,000", "1" = "5,000 - 10,000",
                            "2" = "10,001 - 25,000",
                            "3" = "> 25,000",
                            "4" = "Not Sure",
                            "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "Your School Size",
       fill = "Used a Stimulant Without a Doctor's Prescription ",
       title = "Proportion of Stimulant Misuse Among College Students")
```



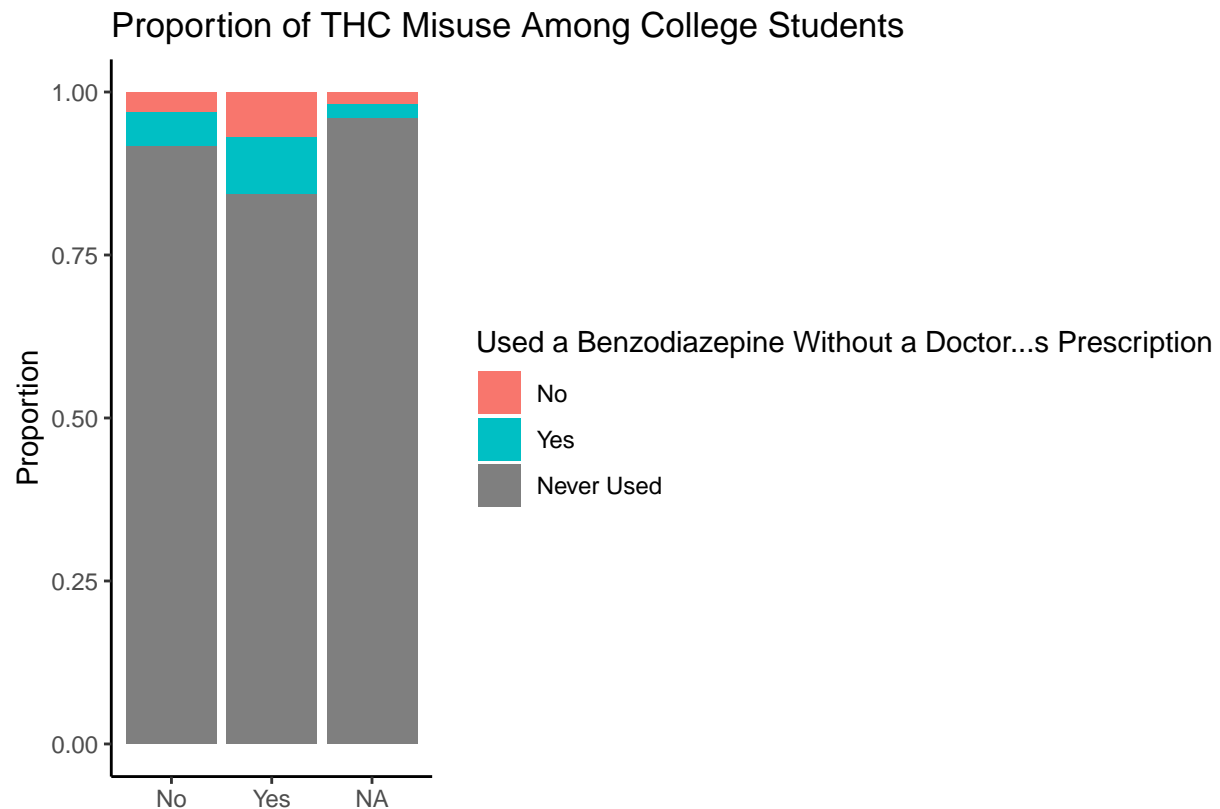
```
ggplot(data = US18, aes(x = factor(COLLEGE_HOUSING), fill = factor(BENZ_NMU)))+
  geom_bar(position = "fill")+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "No", "1" = "Yes",
                            "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "Do you currently live in on-campus housing",
       fill = "Used a Benzodiazepine Without a Doctor's Prescription ",
       title = "Proportion of Benzodiazepine Misuse Among College Students")
```

Proportion of Benzodiazepine Misuse Among College Students



Do you currently live in on-campus housing

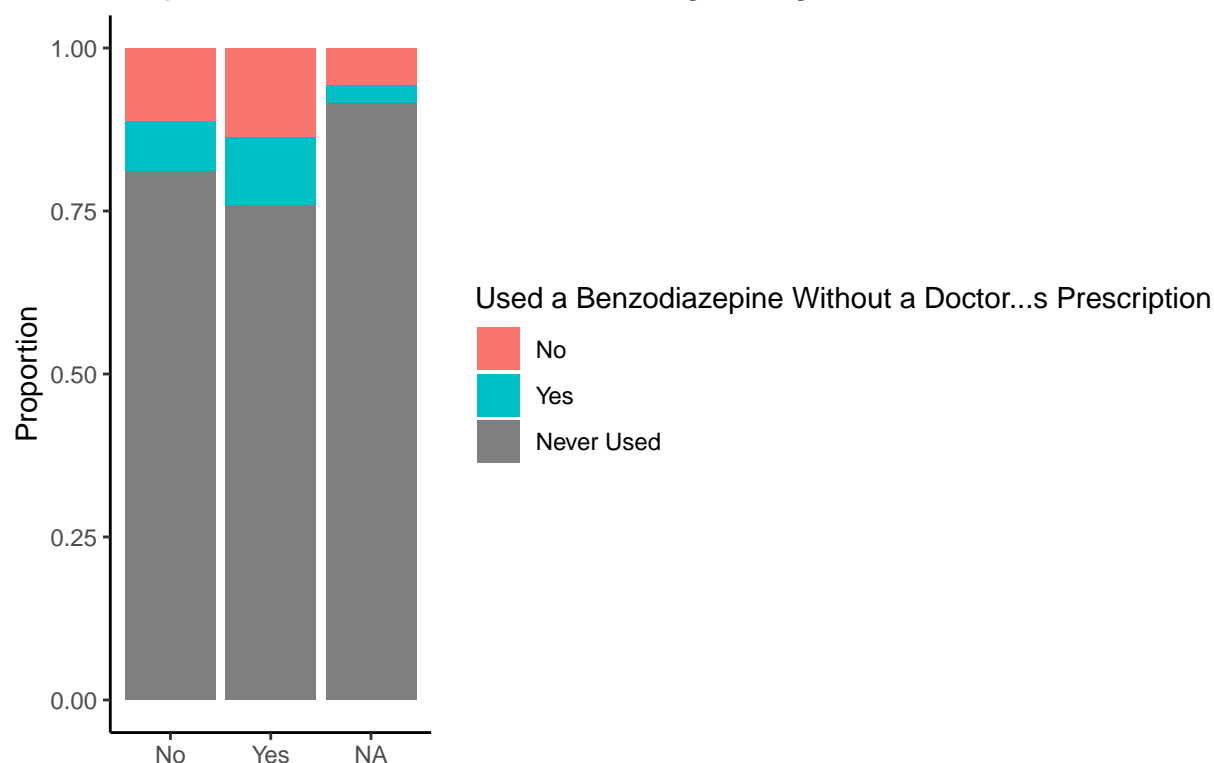
```
ggplot(data = US18, aes(x = factor(COLLEGE_HOUSING), fill = factor(THC_NMU))) +
  geom_bar(position = "fill") +
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "No", "1" = "Yes",
                            "NA" = "Not A Student")) +
  theme_classic() +
  labs(y = "Proportion",
       x = "Do you currently live in on-campus housing",
       fill = "Used a Benzodiazepine Without a Doctor's Prescription ",
       title = "Proportion of THC Misuse Among College Students")
```



Do you currently live in on-campus housing

```
ggplot(data = US18, aes(x = factor(COLLEGE_HOUSING), fill = factor(STIM_NMU)))+
  geom_bar(position = "fill")+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "No", "1" = "Yes",
                            "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "Do you currently live in on-campus housing",
       fill = "Used a Benzodiazepine Without a Doctor's Prescription ",
       title = "Proportion of Stimulant Misuse Among College Students")
```

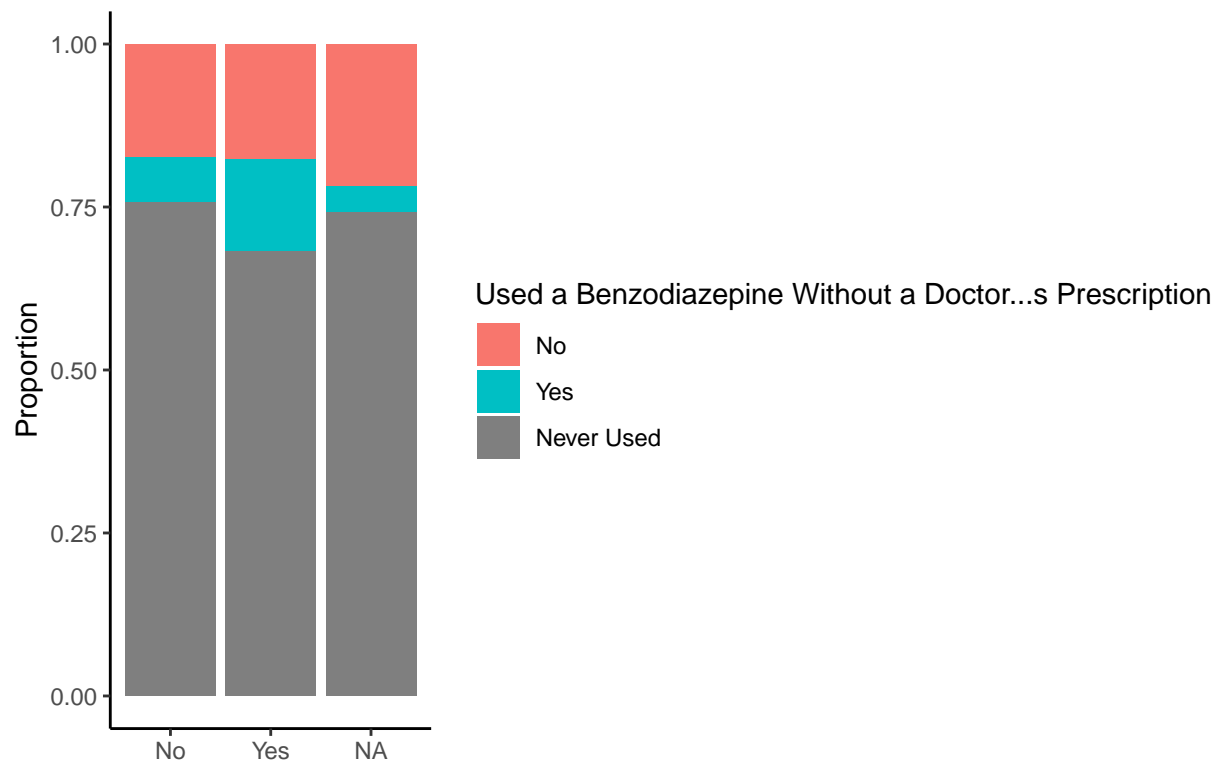

Proportion of Stimulant Misuse Among College Students



Do you currently live in on-campus housing

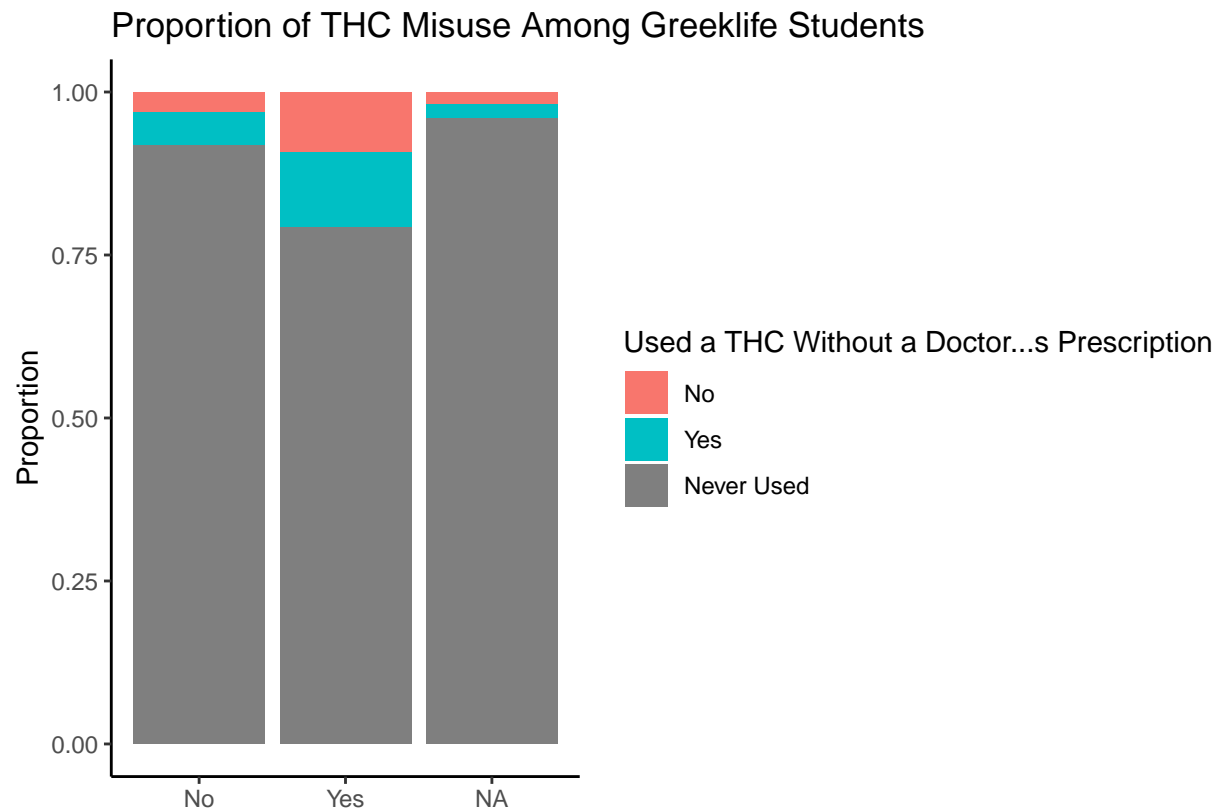
```
ggplot(data = US18, aes(x = factor(COLLEGE_GREEK), fill = factor(BENZ_NMU))) +
  geom_bar(position = "fill") +
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "No", "1" = "Yes",
                            "NA" = "Not A Student")) +
  theme_classic() +
  labs(y = "Proportion",
       x = "Are You A Member of A College Greeklife Organization",
       fill = "Used a Benzodiazepine Without a Doctor's Prescription ",
       title = "Proportion of Benzodiazepine Misuse Among Greeklife Students")
```

Proportion of Benzodiazepine Misuse Among Greeklife Students



u A Member of A College Greeklife Organization

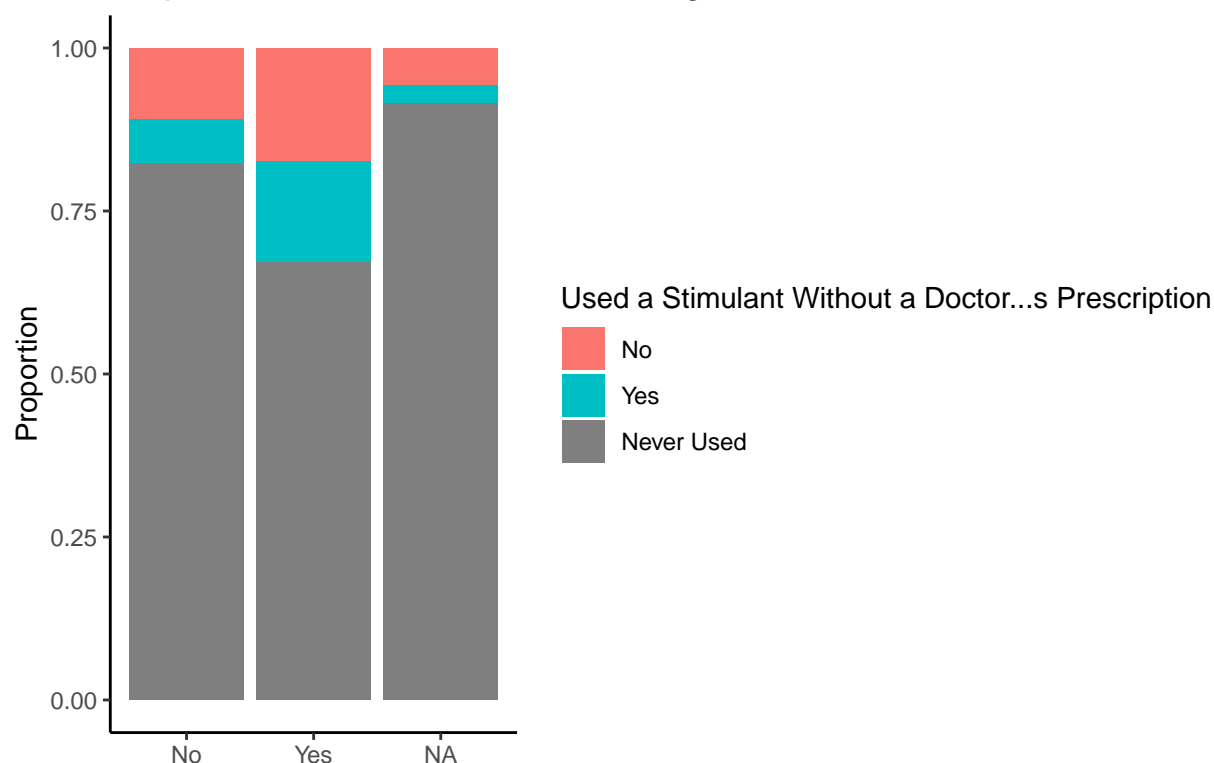
```
ggplot(data = US18, aes(x = factor(COLLEGE_GREEK), fill = factor(THC_NMU)))+
  geom_bar(position = "fill")+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "No", "1" = "Yes",
                            "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "Are You A Member of A College Greeklife Organization",
       fill = "Used a THC Without a Doctor's Prescription ",
       title = "Proportion of THC Misuse Among Greeklife Students")
```



Are You A Member of A College Greeklife Organization

```
ggplot(data = US18, aes(x = factor(COLLEGE_GREEK), fill = factor(STIM_NMU)))+
  geom_bar(position = "fill")+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "No", "1" = "Yes",
                            "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "Are You A Member of A College Greeklife Organization",
       fill = "Used a Stimulant Without a Doctor's Prescription ",
       title = "Proportion of Stimulant Misuse Among Greeklife Students")
```

Proportion of Stimulant Misuse Among Greeklife Students



You A Member of A College Greeklife Organization

```
factor(FENT_NMU, BUP_NMU, METH_NMU, MORPH_NMU, OXY_NMU, OXYM_NMU,
TRAM_NMU, TAP_NMU, HYD_NMU, HYDM_NMU, SUF_NMU, COD_NMU, DIHY_NMU )
```

Which of Pain Relief Med Has Been Misused the Most?

```
US18%>%
  count("FENT_NMU")
```

```
## # A tibble: 1 x 2
##   `FENT_NMU`      n
##   <chr>         <int>
## 1 FENT_NMU      30007
```

```
US18%>%
  count("BUP_NMU")
```

```
## # A tibble: 1 x 2
##   `BUP_NMU`      n
##   <chr>         <int>
## 1 BUP_NMU      30007
```

```
US18%>%
  count("METH_NMU")
```

```
## # A tibble: 1 x 2
##   `METH_NMU`      n
##   <chr>         <int>
## 1 METH_NMU      30007
```

```
US18%>%
  count("MORPH_NMU")

## # A tibble: 1 x 2
##   `MORPH_NMU`      n
##   <chr>          <int>
## 1 MORPH_NMU      30007
```

```
US18%>%
  count("OXY_NMU")

## # A tibble: 1 x 2
##   `OXY_NMU`      n
##   <chr>          <int>
## 1 OXY_NMU      30007
```

```
US18%>%
  count("OXYM_NMU")

## # A tibble: 1 x 2
##   `OXYM_NMU`      n
##   <chr>          <int>
## 1 OXYM_NMU      30007
```

```
US18%>%
  count(
    "TRAM_NMU")

## # A tibble: 1 x 2
##   `TRAM_NMU`      n
##   <chr>          <int>
## 1 TRAM_NMU      30007
```

```
US18%>%
  count(
    "TAP_NMU")

## # A tibble: 1 x 2
##   `TAP_NMU`      n
##   <chr>          <int>
## 1 TAP_NMU      30007
```

```
US18%>%
  count(
    "HYD_NMU")

## # A tibble: 1 x 2
##   `HYD_NMU`      n
##   <chr>          <int>
## 1 HYD_NMU      30007
```

```
US18%>%
  count(
    "HYDM_NMU")

## # A tibble: 1 x 2
##   `HYDM_NMU`      n
##   <chr>          <int>
```

```
## 1 HYDM_NMU      30007
```

```
US18%>%  
  count(  
    "SUF_NMU")
```

```
## # A tibble: 1 x 2  
##   `SUF_NMU`      n  
##   <chr>        <int>  
## 1 SUF_NMU      30007
```

```
US18%>%  
  count(  
    "COD_NMU")
```

```
## # A tibble: 1 x 2  
##   `COD_NMU`      n  
##   <chr>        <int>  
## 1 COD_NMU      30007
```

```
US18%>%  
  count(  
    "DIHY_NMU")
```

```
## # A tibble: 1 x 2  
##   `DIHY_NMU`      n  
##   <chr>        <int>  
## 1 DIHY_NMU      30007
```

The medication that has the greatest number of 1s is Hydrocodone (HYD_NMU.)

```
ggplot(data = US18, aes(x = factor(DEM_COLLEGE), fill = factor(HYD_NMU)))+  
  geom_bar(position = "fill")+  
  coord_flip()+  
  scale_fill_discrete(labels = c("No", "Yes",  
                                "Never Used")) +  
  scale_x_discrete(labels=c("0" = "No",  
                           "1" = "Yes",  
                           "NA" = "Not a Student in the past 3 months"))+  
  theme_classic() +  
  labs(y = "Proportion",  
       x = "Are You A Student",  
       fill = "Used a Hydrocodone Without a Doctor's Prescription ",  
       title = "Proportion of Hydrocodone Misuse Among College Students")
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <e2>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <80>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <99>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
```

```

## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

```

```

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```



```

## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

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## 'mbcsToSbcs': dot substituted for <80>

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```

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

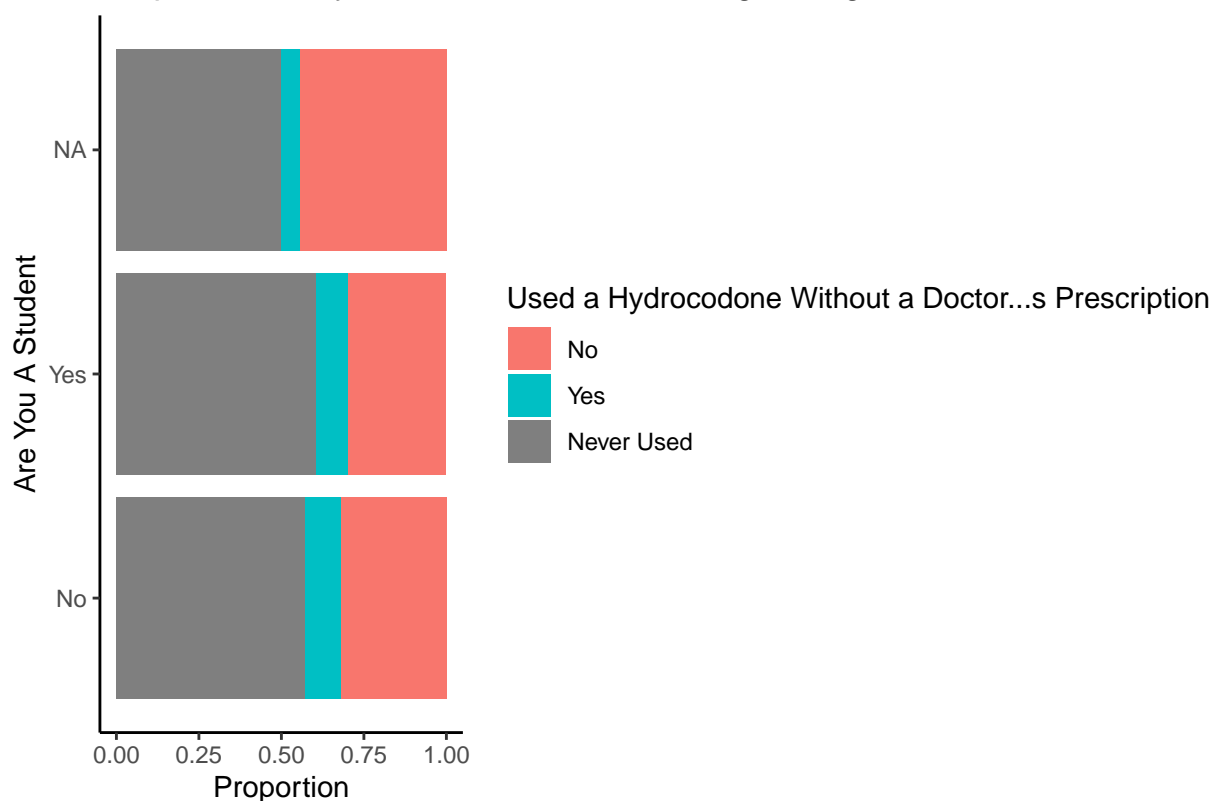
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

```

Proportion of Hydrocodone Misuse Among College Students



```
ggplot(data = US18, aes(x = factor(COLLEGE_GREEK), fill = factor(HYD_NMU)))+
  geom_bar(position = "fill")+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "No", "1" = "Yes",
                            "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "Are You A Member of A College Greeklife Organization",
       fill = "Used a Hydrocodone Without a Doctor's Prescription ",
       title = "Proportion of Hydrocodone Misuse Among Greeklife Students")
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
```



```

## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## 'mbcsToSbcs': dot substituted for <99>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

```

```

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```



```

## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

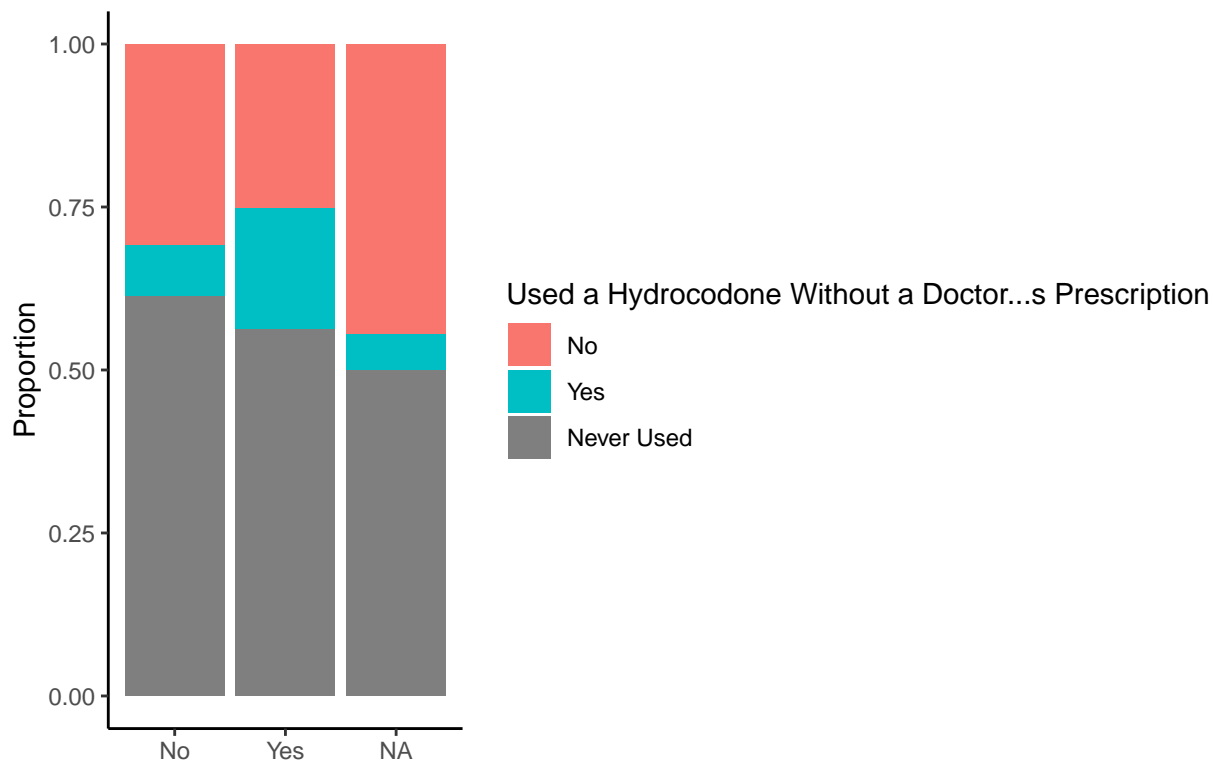
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

```

Proportion of Hydrocodone Misuse Among Greeklife Students



ou A Member of A College Greeklife Organization

#####

```
ggplot(data = US18, aes(x = factor(COLLEGE_TYPE), fill = factor(HYD_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "Public",
                            "1" = "Private",
                            "2" = "Other"))+

  theme_classic() +
  labs(y = "Proportion",
       x = "School Types",
       fill = "Used a Hydrocodone Without a Doctor's Prescription ",
       title = "Proportion of Hydrocodone Misuse Among College Students")
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## 'mbcsToSbcs': dot substituted for <99>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
```

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

```

```

## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

```

```

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```



```

## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

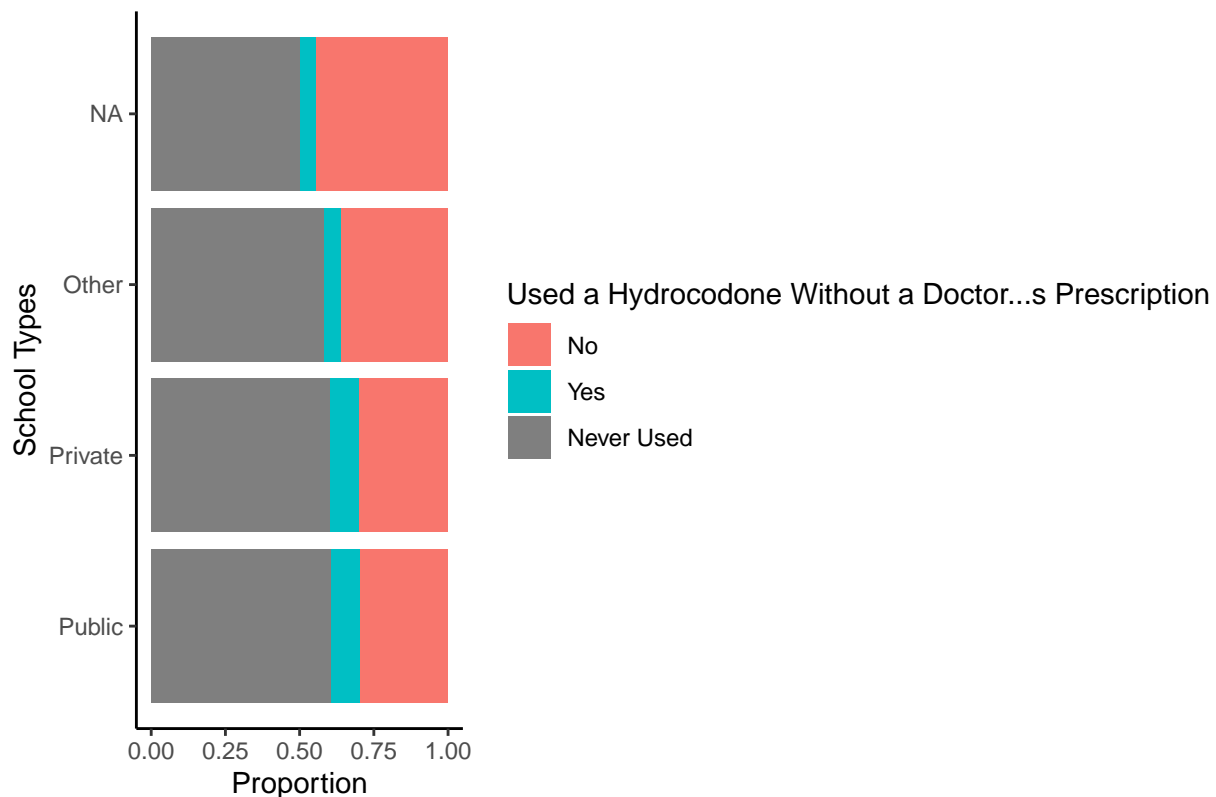
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

```

Proportion of Hydrocodone Misuse Among College Students



#####

```
ggplot(data = US18, aes(x = factor(COLLEGE_TYPE), fill = factor(HYD_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "Public",
                            "1" = "Private",
                            "2" = "Other"))+

  theme_classic() +
  labs(y = "Proportion",
       x = "School Types",
       fill = "Used a Hydrocodone Without a Doctor's Prescription ",
       title = "Proportion of Hydrocodone Misuse Among College Students")
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
```



```

## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

```

```

## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```

```
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>
```

```

## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

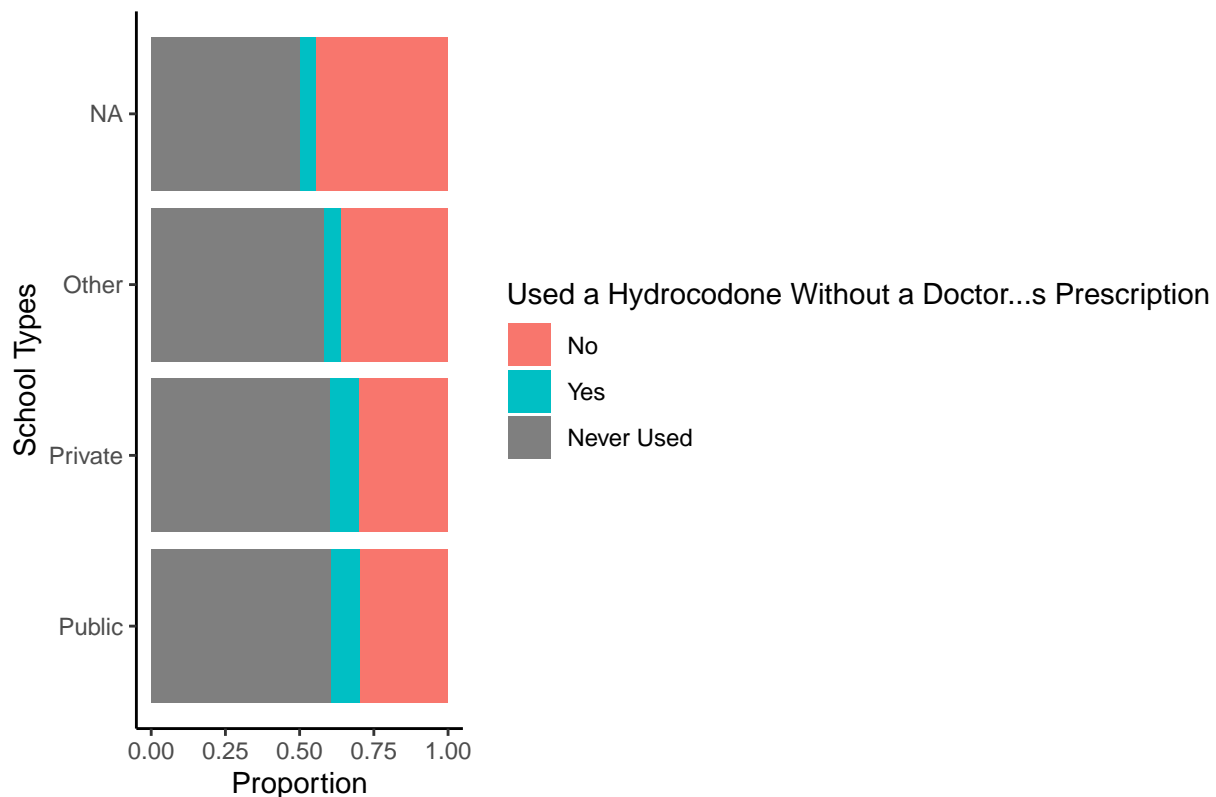
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

```

Proportion of Hydrocodone Misuse Among College Students



#####

```
ggplot(data = US18, aes(x = factor(COLLEGE_LENGTH), fill = factor(HYD_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("1" = "2 Years College/Uni",
                            "2" = "4 Years College/Uni",
                            "3" = "Graduate School ",
                            "4" = "Online School",
                            "5" = "Trade School",
                            "6" = "Other",
                            "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "School Types",
       fill = "Used a Hydrocodone Without a Doctor's Prescription ",
       title = "Proportion of Hydrocodone Misuse Among College Students")
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>
```

```

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

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## 'mbcsToSbcs': dot substituted for <99>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```



```

## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

```

```

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```

```
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbscsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbscsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbscsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbscsToSbcs': dot substituted for <e2>

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## 'mbscsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## 'mbscsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbscsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbscsToSbcs': dot substituted for <80>

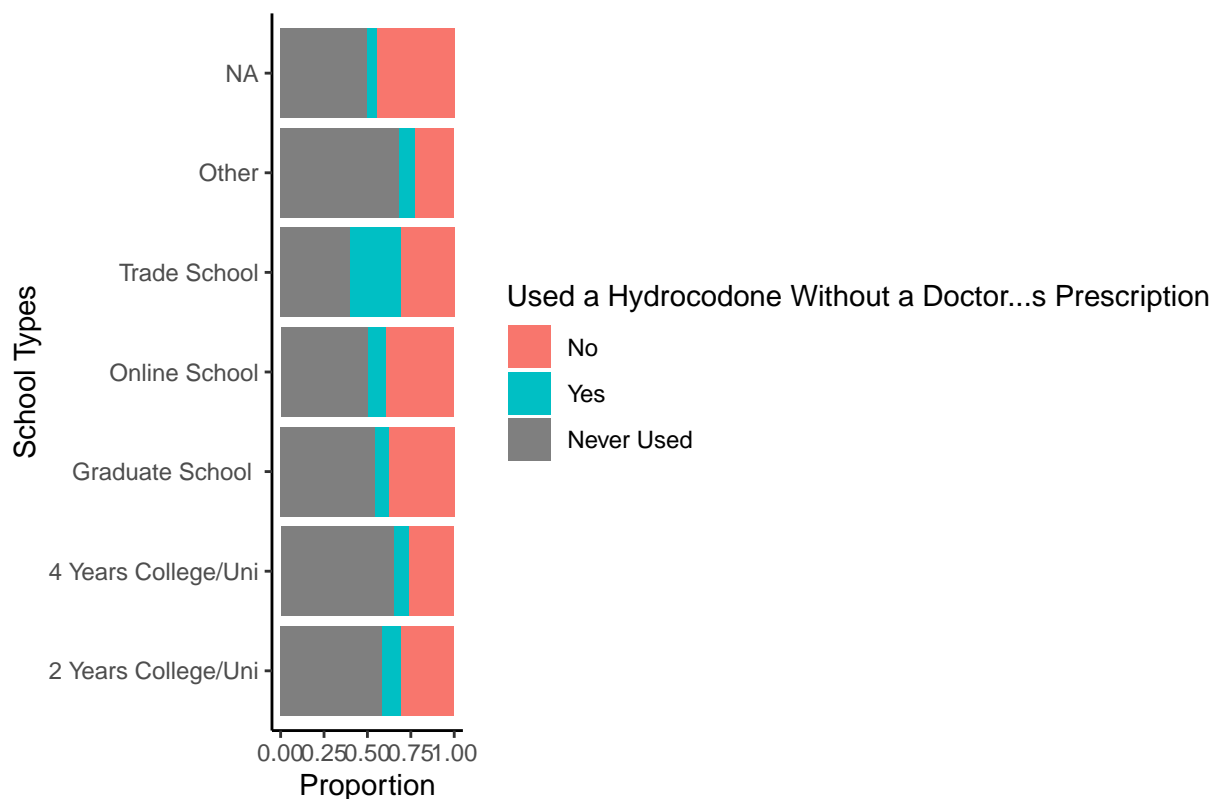
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbscsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbscsToSbcs': dot substituted for <e2>

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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbscsToSbcs': dot substituted for <99>
```

Proportion of Hydrocodone Misuse Among College Students



#####

```
ggplot(data = US18, aes(x = factor(COLLEGE_SIZE), fill = factor(HYD_NMU)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "< 5,000", "1" = "5,000 - 10,000",
                            "2" = "10,001 - 25,000",
                            "3" = "> 25,000",
                            "4" = "Not Sure",
                            "NA" = "Not A Student"))+
  theme_classic() +
  labs(y = "Proportion",
       x = "Your School Size",
       fill = "Used a Hydrocodone Without a Doctor's Prescription ",
       title = "Proportion of Hydrocodone Misuse Among College Students")
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
```

```

## 'mbcsToSbcs': dot substituted for <99>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## 'mbcsToSbcs': dot substituted for <99>

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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```



```

## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

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## 'mbcsToSbcs': dot substituted for <80>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## 'mbcsToSbcs': dot substituted for <e2>

```



```

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

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## 'mbcsToSbcs': dot substituted for <99>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

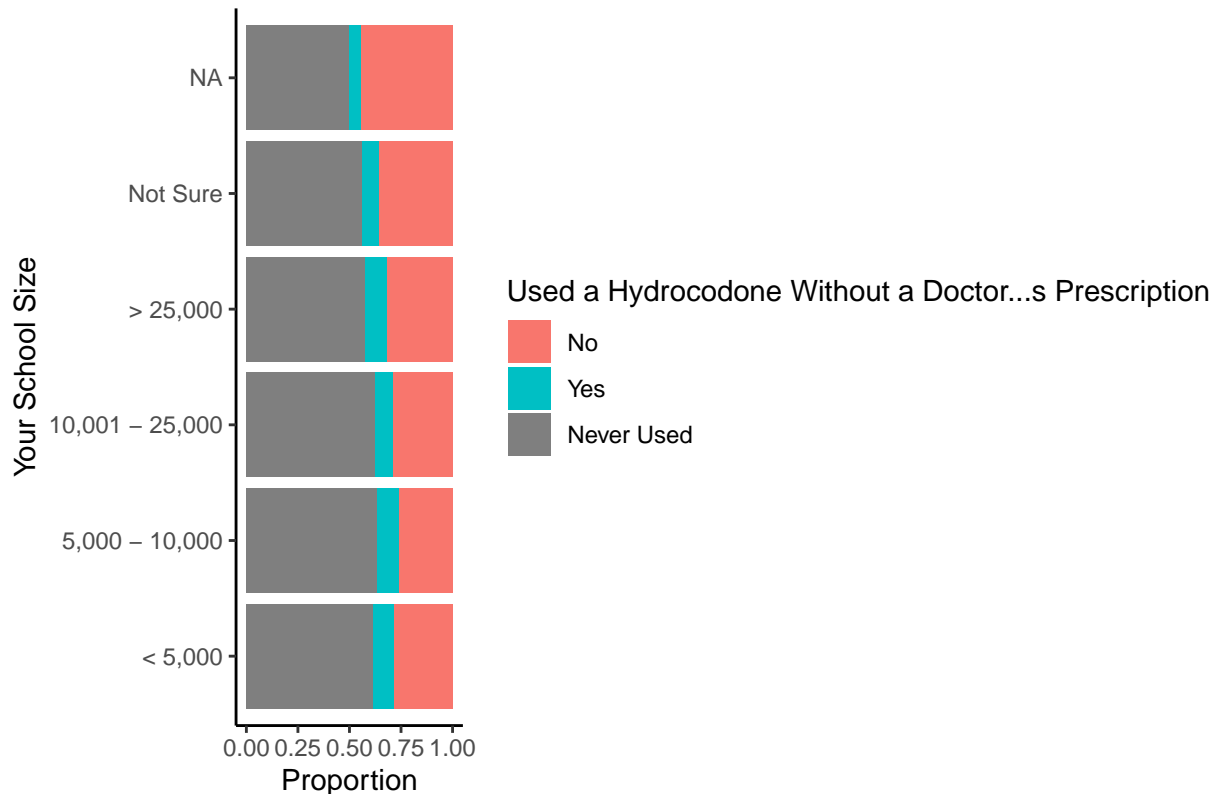
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

```

Proportion of Hydrocodone Misuse Among College Students



#####

```
ggplot(data = US18, aes(x = factor(COLLEGE_HOUSING), fill = factor(HYD_NMU)))+
  geom_bar(position = "fill")+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "No", "1" = "Yes",
                            "NA" = "Not A Student"))+

  theme_classic() +
  labs(y = "Proportion",
       x = "Do you currently live in on-campus housing",
       fill = "Used a Hydrocodone Without a Doctor's Prescription ",
       title = "Proportion of Hydrocodone Misuse Among College Students")
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>
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```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## 'mbcsToSbcs': dot substituted for <99>
```

```
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```

```

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

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## 'mbcsToSbcs': dot substituted for <80>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```



```

## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

```

```

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```

```

## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

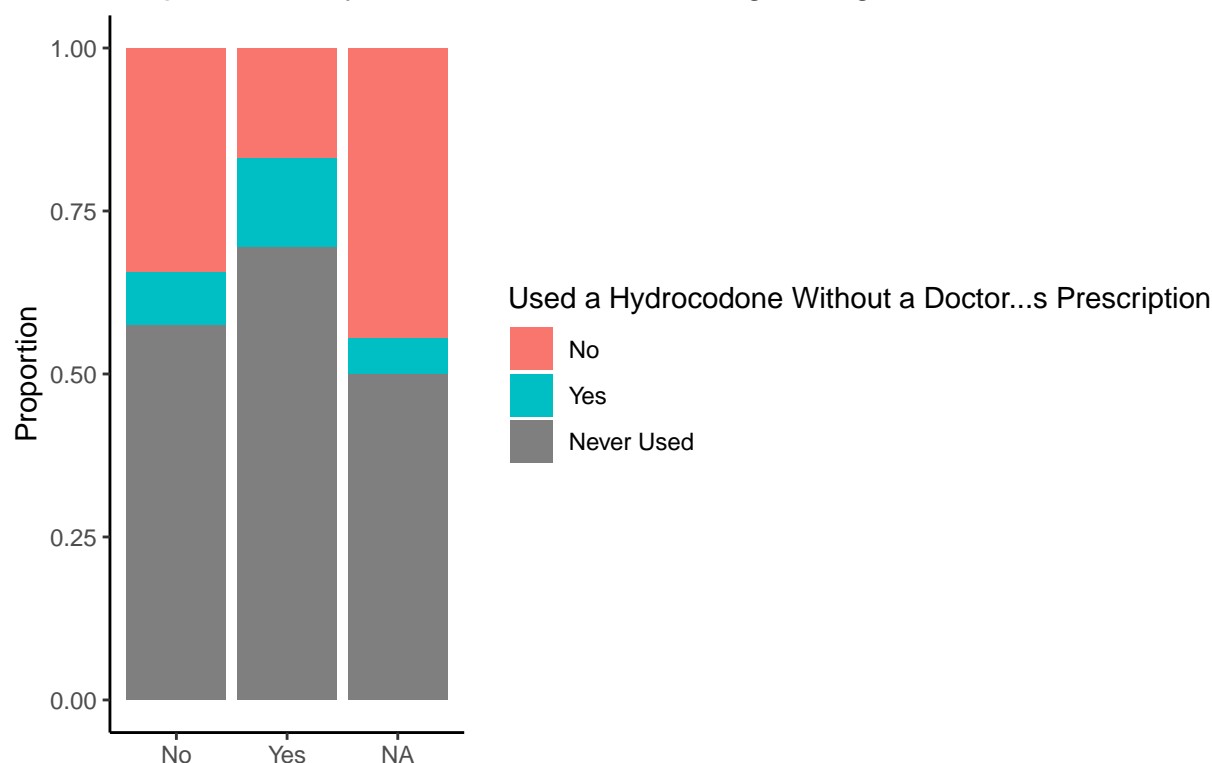
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

```

Proportion of Hydrocodone Misuse Among College Students



Do you currently live in on-campus housing

```
#####

ggplot(data = US18, aes(x = factor(COLLEGE_GREEK), fill = factor(HYD_NMU)))+
  geom_bar(position = "fill")+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("0" = "No", "1" = "Yes",
                            "NA" = "Not A Student"))+

  theme_classic() +
  labs(y = "Proportion",
       x = "Are You A Member of A College Greeklife Organization",
       fill = "Used a Hydrocodone Without a Doctor's Prescription ",
       title = "Proportion of Hydrocodone Misuse Among Greeklife Students")

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## 'mbcsToSbcs': dot substituted for <e2>
```



```

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```



```

## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

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## 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```

```

## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

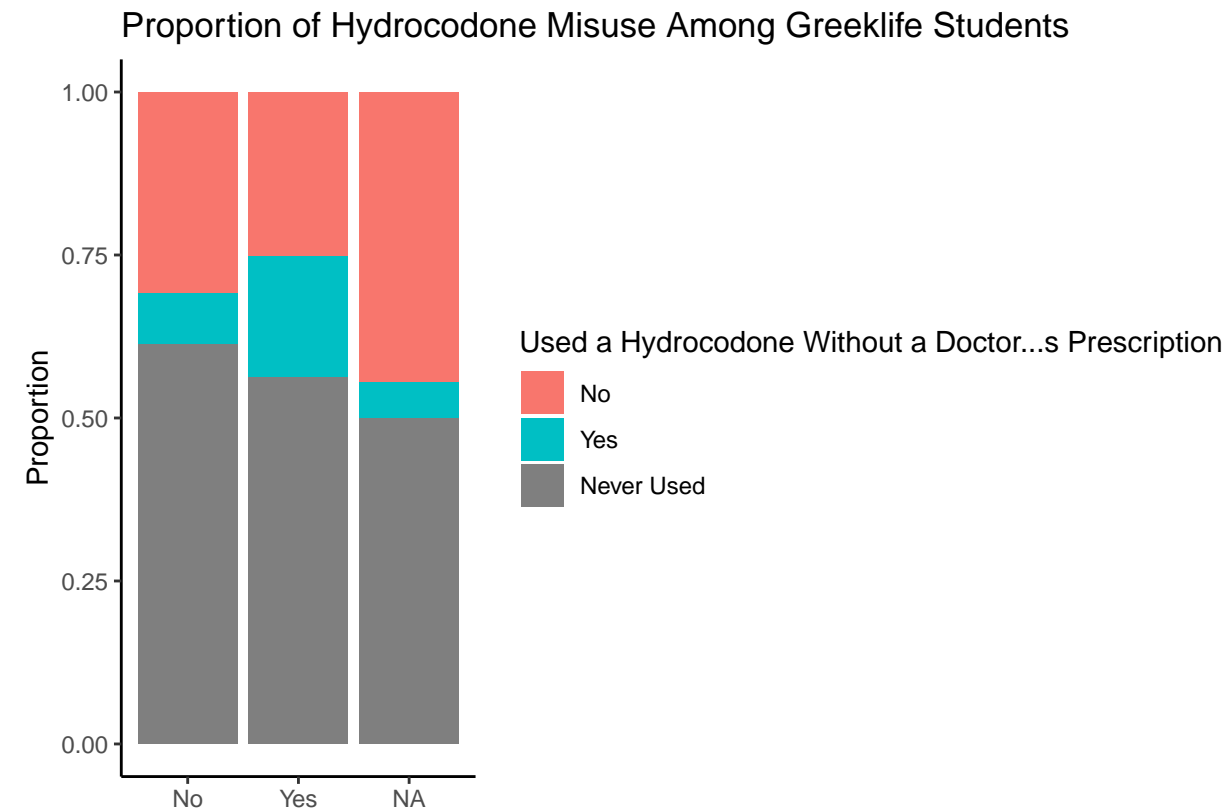
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

```



ou A Member of A College Greeklife Organization

Among all three drug classes plus Hydrocodone, trade school unvariably have the highest proportion of people who reported that they had used a prescription medication without Doctor's prescription.

Why?

```
#I didn't leave every graph in, but Trade school has pretty much the highest proportion for 68-71
ggplot(data = US18, aes(x = factor(COLLEGE_LENGTH), fill = factor(HPC_SELL)))+
  geom_bar(position = "fill")+
  coord_flip()+
  scale_fill_discrete(labels = c("No", "Yes",
                                "Never Used")) +
  scale_x_discrete(labels=c("1" = "2 Years College/Uni",
                            "2" = "4 Years College/Uni",
                            "3" = "Graduate School ",
                            "4" = "Online School",
                            "5" = "Trade School",
                            "6" = "Other",
                            "NA" = "Not A Student"))+

  theme_classic() +
  labs(y = "Proportion",
       x = "School Types",
       fill = "Used a Hydrocodone Without a Doctor's Prescription ",
       title = "Proportion of Hydrocodone Misuse Among College Students")
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbsToSbcs': dot substituted for <e2>
```

```

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```



```

## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

```

```

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
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## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <e2>

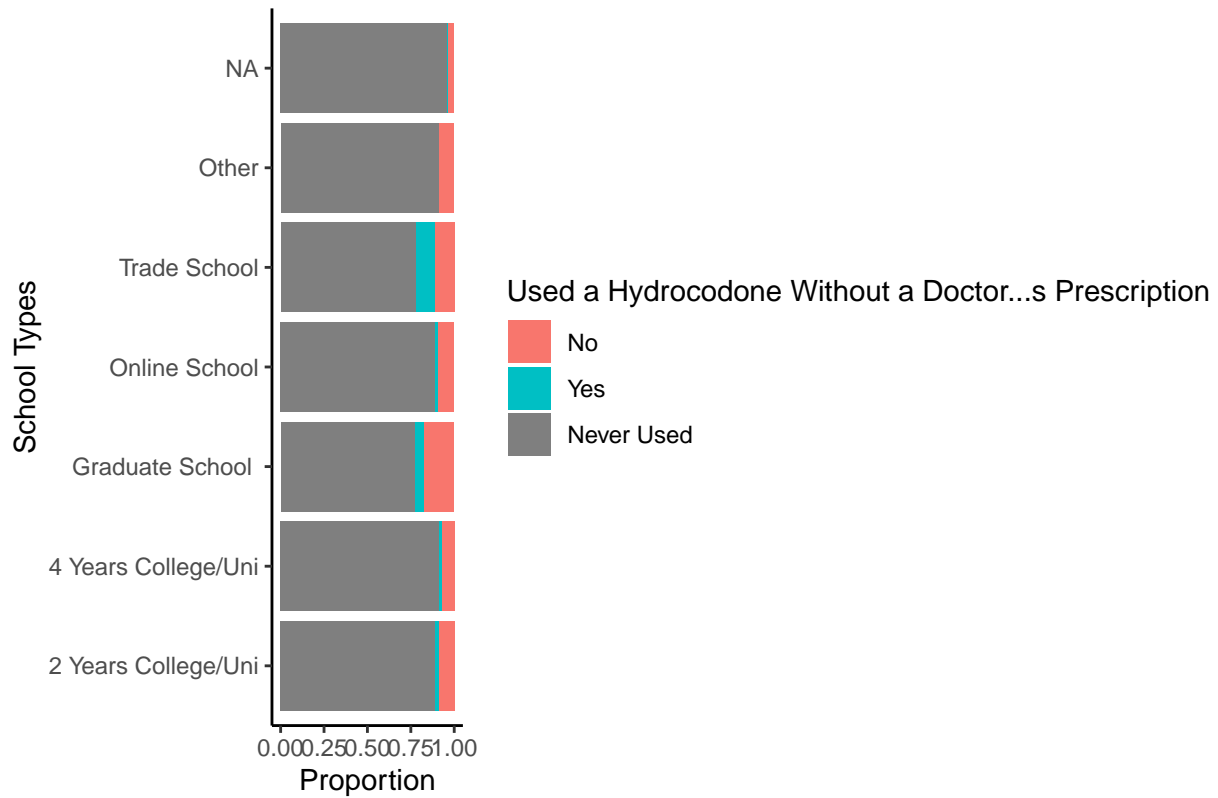
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :

```

```
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <99>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <e2>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <80>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <99>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <99>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <80>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <99>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <e2>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <80>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 'Used a Hydrocodone Without a Doctor's Prescription ' in  
## 'mbcsToSbcs': dot substituted for <99>
```

Proportion of Hydrocodone Misuse Among College Students



Which group of people has the highest likelihood to have drug misuses?

Which group of people are more likely to seek for help for drug misuses?