PlotGood

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MZines4You – Variables Plots

Dateset source:

http://logisticregressionanalysis.com/303-what-a-logistic-regression-data-set-looks-like-an-example/ ##### Dataset introduction Household Income (Income; rounded to the nearest $1,000.00) Gender (IsFemale = 1 if the person is female, 0 otherwise) Marital Status (IsMarried = 1 if married, 0 otherwise) College Educated (HasCollege = 1 if has one or more years of college education, 0 otherwise) Employed in a Profession (IsProfessional = 1 if employed in a profession, 0 otherwise) Retired (IsRetired = 1 if retired, 0 otherwise) Not employed (Unemployed = 1 if not employed, 0 otherwise) Length of Residency in Current City (ResLength; in years) Dual Income if Married (Dual = 1 if dual income, 0 otherwise) Children (Minors = 1 if children under 18 are in the household, 0 otherwise) Home ownership (Own = 1 if own residence, 0 otherwise) Resident type (House = 1 if residence is a single family house, 0 otherwise) Race (White = 1 if race is white, 0 otherwise) Language (English = 1 is the primary language in the household is English, 0 otherwise)

載入資料集

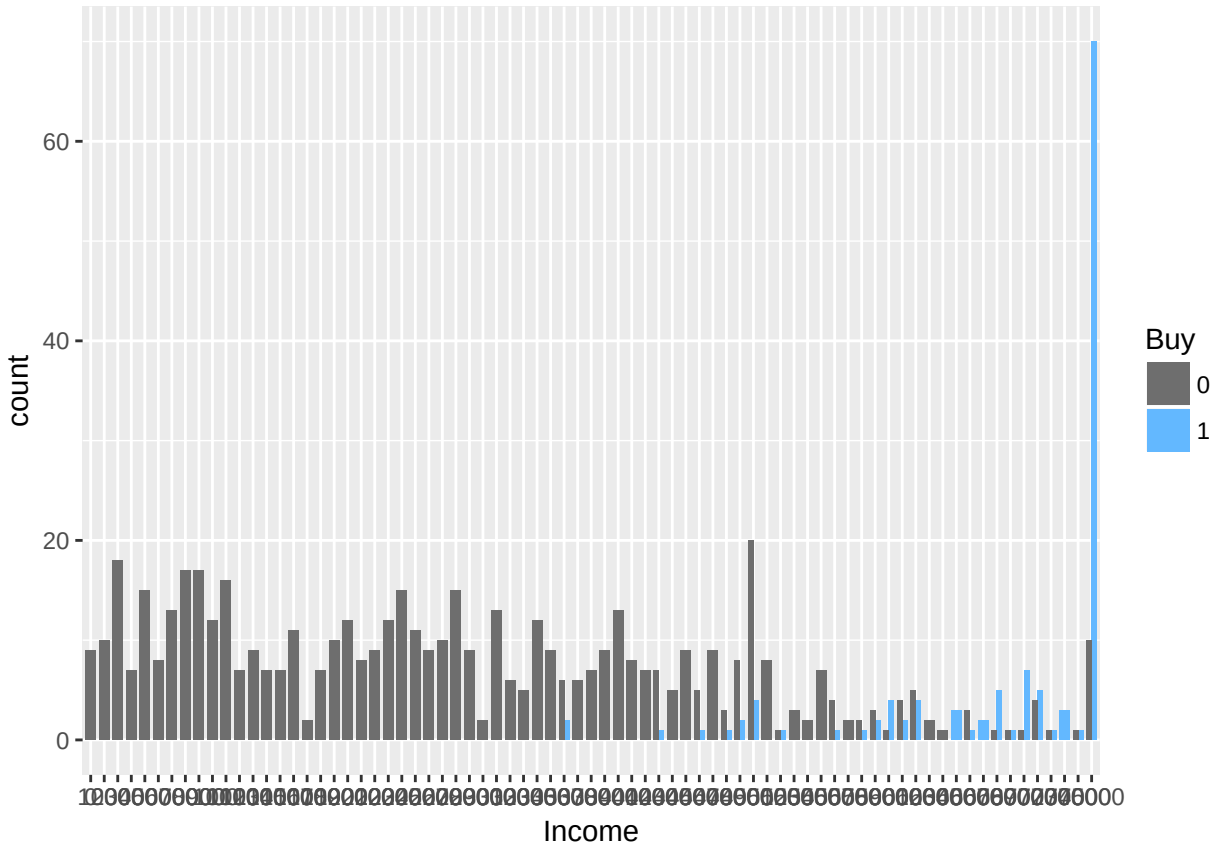
```
library(ggplot2)
library(readr)
KidCreative <- read_csv("D:/WORKSPACE/DATASETS/KidCreative.csv")
```

```
## Parsed with column specification:
## cols(
##   `Obs No.` = col_integer(),
##   Buy = col_integer(),
##   Income = col_integer(),
##   `Is Female` = col_integer(),
##   `Is Married` = col_integer(),
##   `Has College` = col_integer(),
##   `Is Professional` = col_integer(),
##   `Is Retired` = col_integer(),
##   Unemployed = col_integer(),
```

```
##   `Residence Length` = col_integer(),
##   `Dual Income` = col_integer(),
##   Minors = col_integer(),
##   Own = col_integer(),
##   House = col_integer(),
##   White = col_integer(),
##   English = col_integer(),
##   `Prev Child Mag` = col_integer(),
##   `Prev Parent Mag` = col_integer()
## )
```

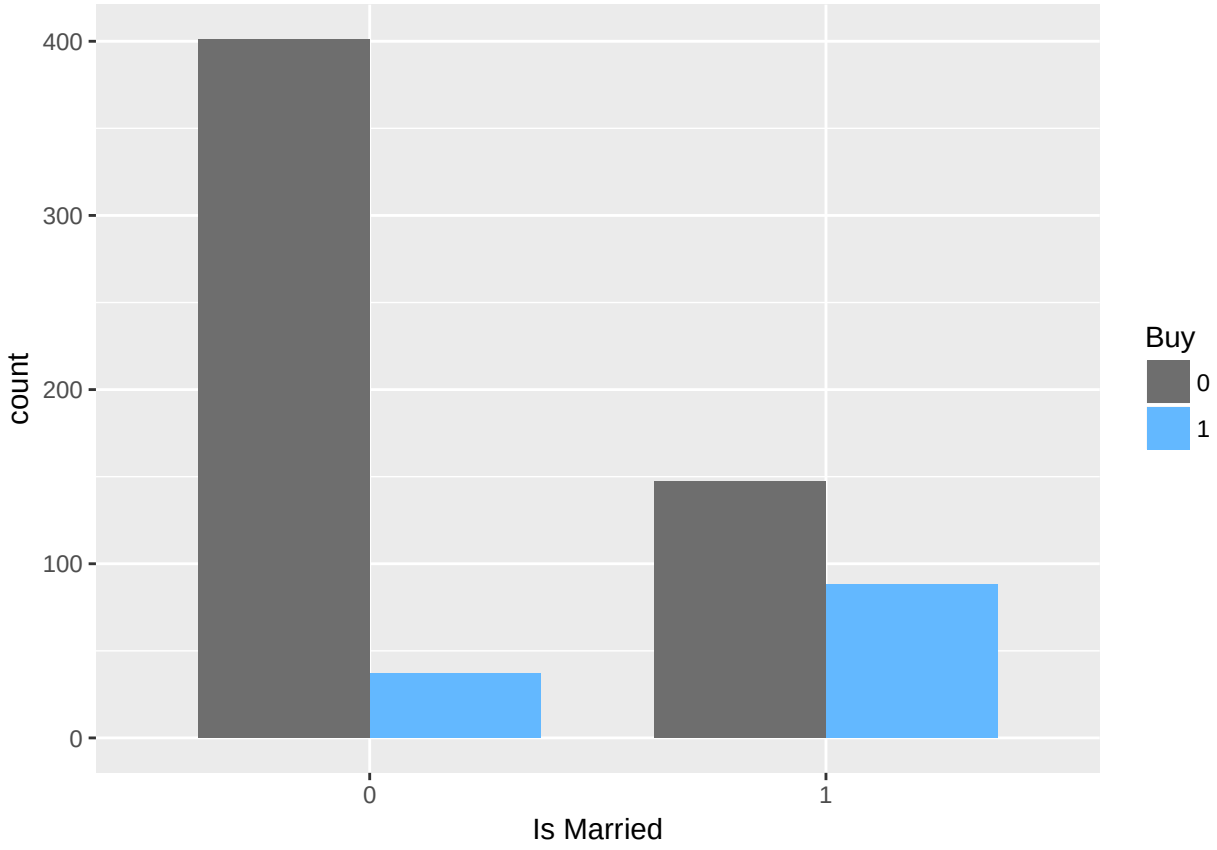
Income

```
KidCreative$Income <- as.factor(KidCreative$Income)
KidCreative$Buy <- as.factor(KidCreative$Buy)

ggplot(KidCreative, aes(x = Income, fill = Buy)) +
geom_bar(width = 0.75, position='dodge') +
scale_fill_manual(values = c('gray43', 'steelblue1'))
```



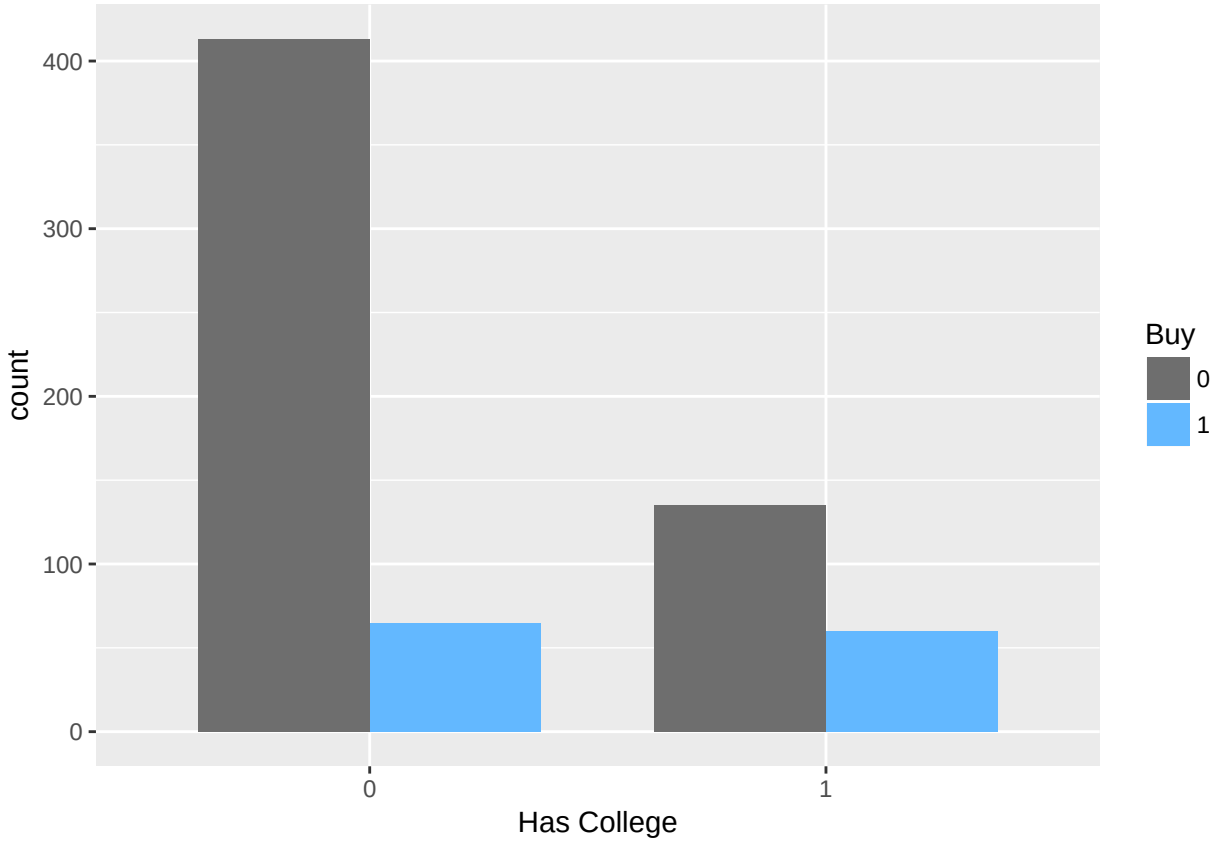
Is Married

```
KidCreative$`Is Married` <- as.factor(KidCreative$`Is Married`)
KidCreative$Buy <- as.factor(KidCreative$Buy)

ggplot(KidCreative, aes(x = `Is Married`, fill = Buy)) +
geom_bar(width = 0.75, position='dodge') +
scale_fill_manual(values = c('gray43', 'steelblue1'))
```



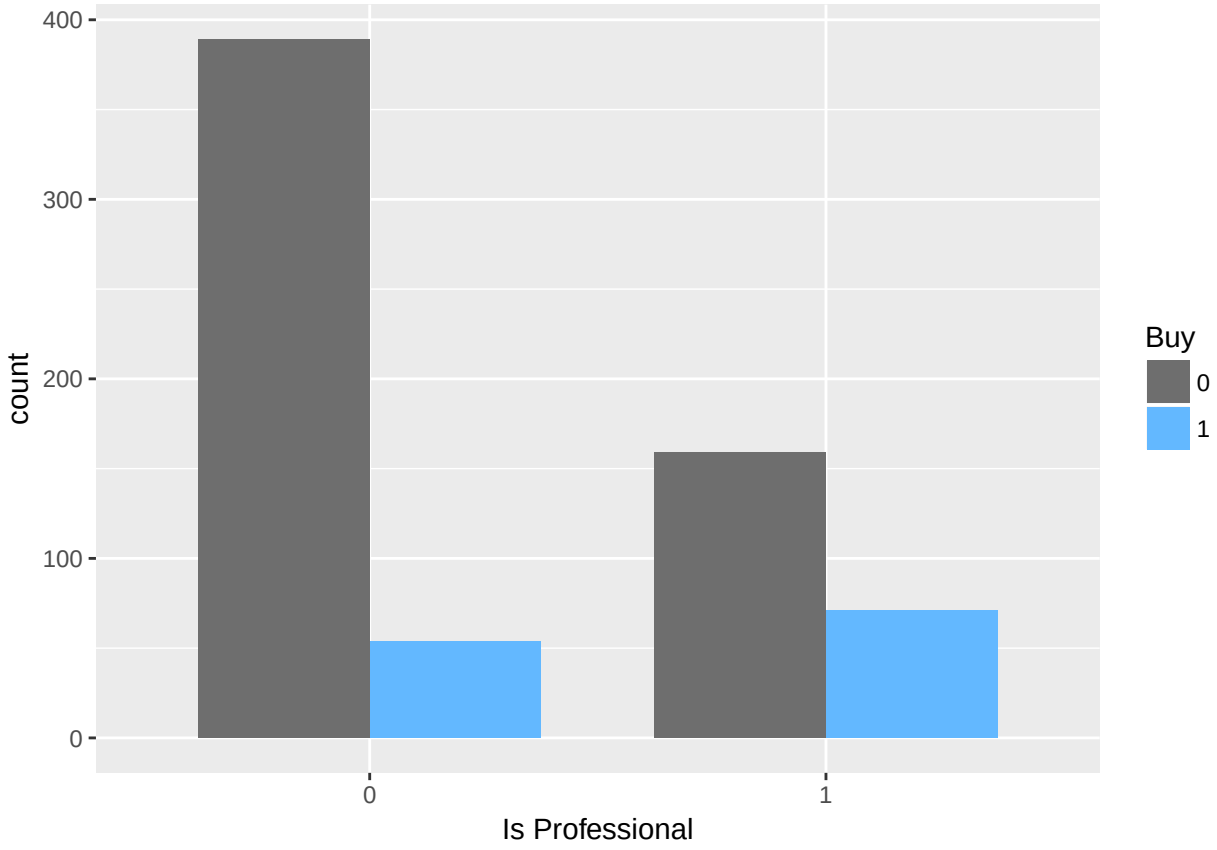
Has College

```
KidCreative$`Has College` <- as.factor(KidCreative$`Has College`)
KidCreative$Buy <- as.factor(KidCreative$Buy)

ggplot(KidCreative, aes(x = `Has College`, fill = Buy)) +
geom_bar(width = 0.75, position='dodge') +
scale_fill_manual(values = c('gray43', 'steelblue1'))
```



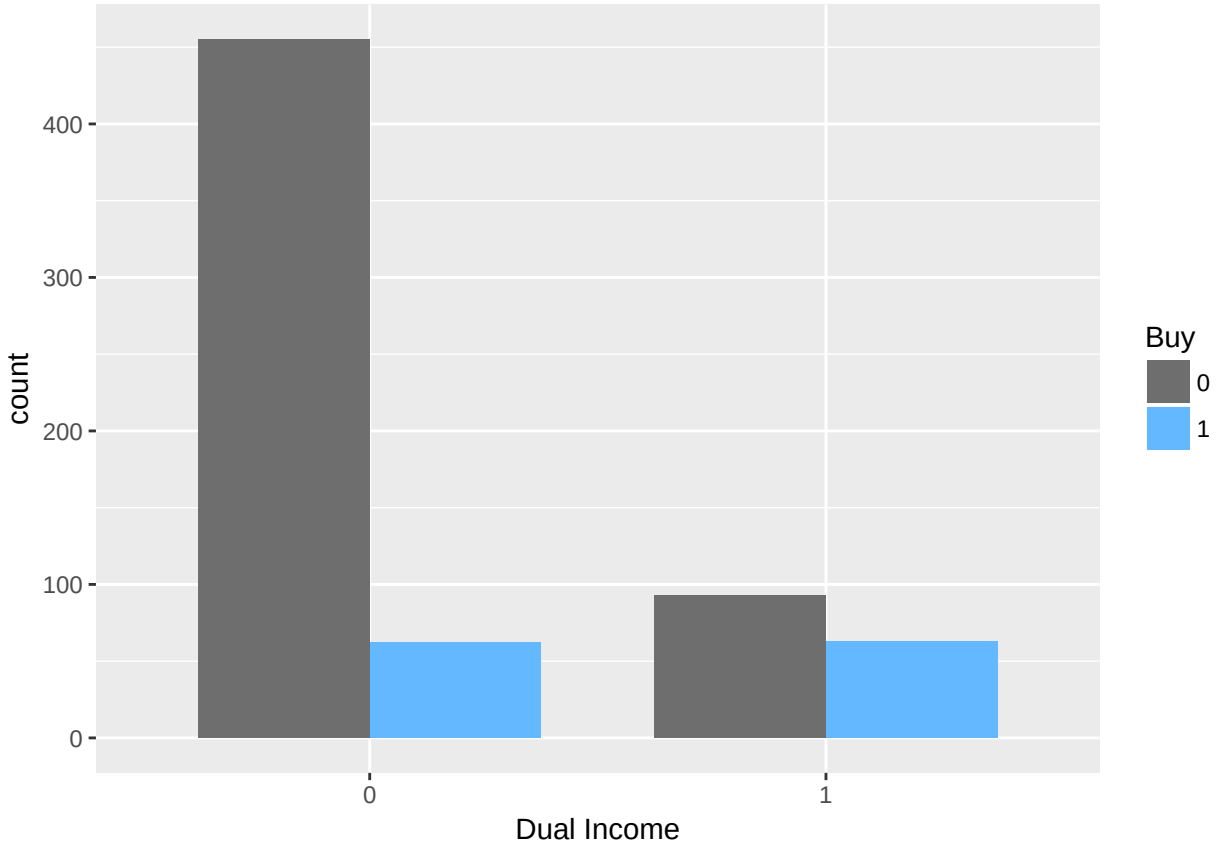
Is Professional

```
KidCreative$`Is Professional` <- as.factor(KidCreative$`Is Professional`)
KidCreative$Buy <- as.factor(KidCreative$Buy)

ggplot(KidCreative, aes(x = `Is Professional`, fill = Buy)) +
geom_bar(width = 0.75, position='dodge') +
scale_fill_manual(values = c('gray43', 'steelblue1'))
```



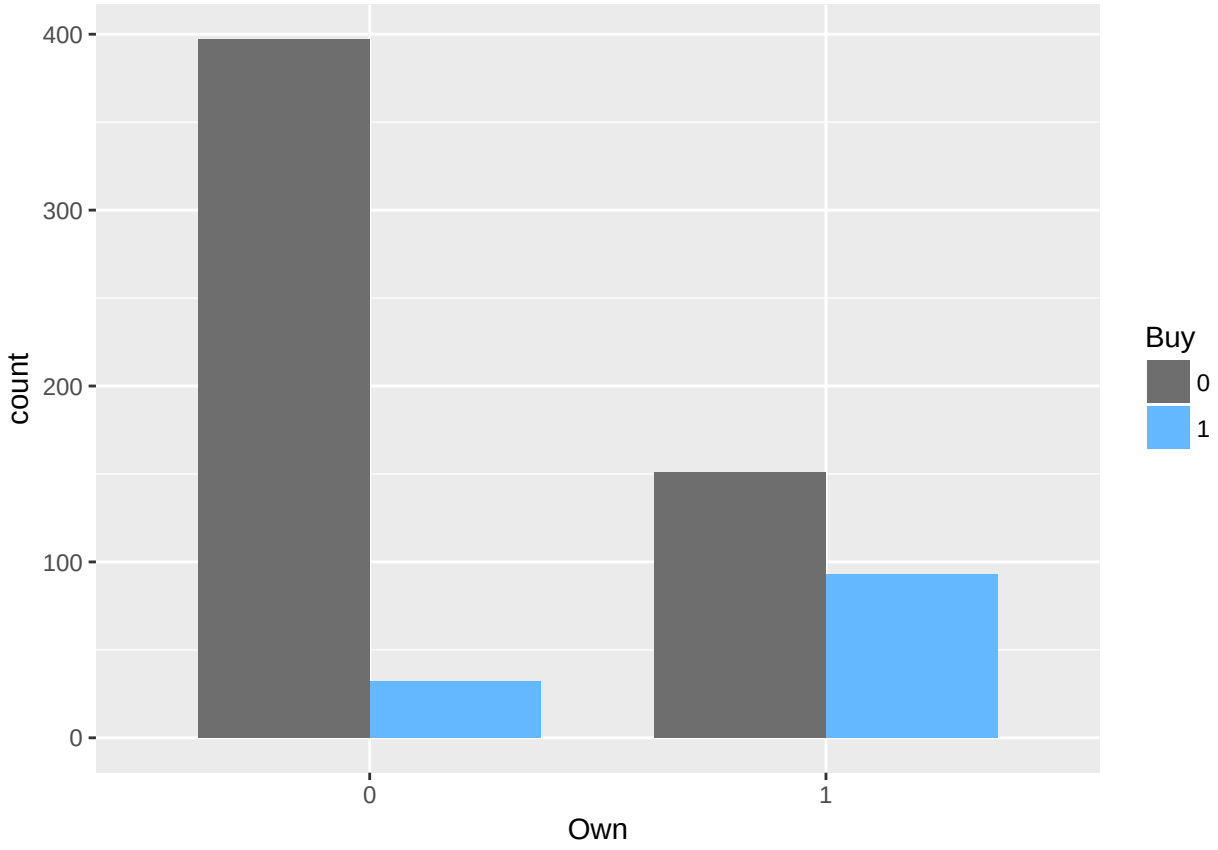
Dual Income

```
KidCreative$`Dual Income` <- as.factor(KidCreative$`Dual Income`)
KidCreative$Buy <- as.factor(KidCreative$Buy)

ggplot(KidCreative, aes(x = `Dual Income`, fill = Buy)) +
geom_bar(width = 0.75, position='dodge') +
scale_fill_manual(values = c('gray43', 'steelblue1'))
```



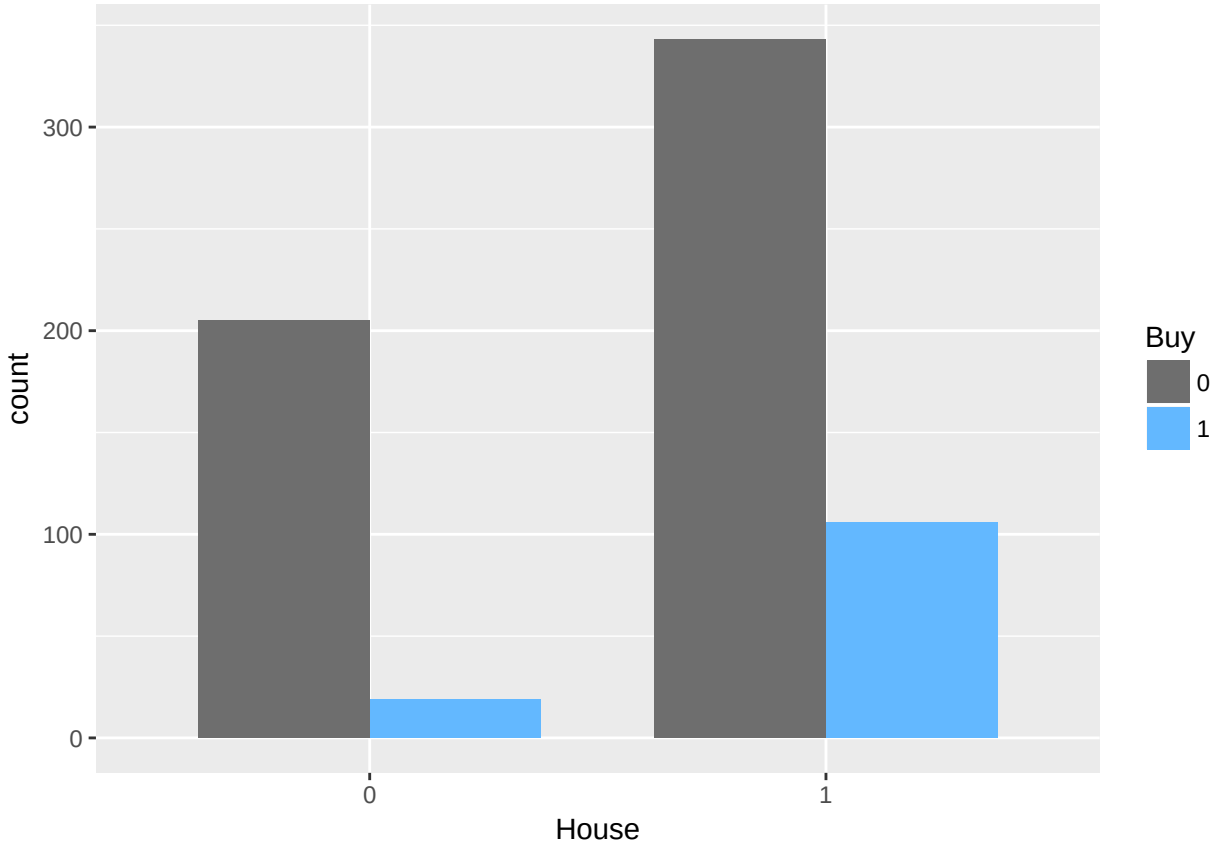
Own

```
KidCreative$`Own` <- as.factor(KidCreative$`Own`)
KidCreative$Buy <- as.factor(KidCreative$Buy)

ggplot(KidCreative, aes(x = `Own`, fill = Buy)) +
geom_bar(width = 0.75, position='dodge') +
scale_fill_manual(values = c('gray43', 'steelblue1'))
```



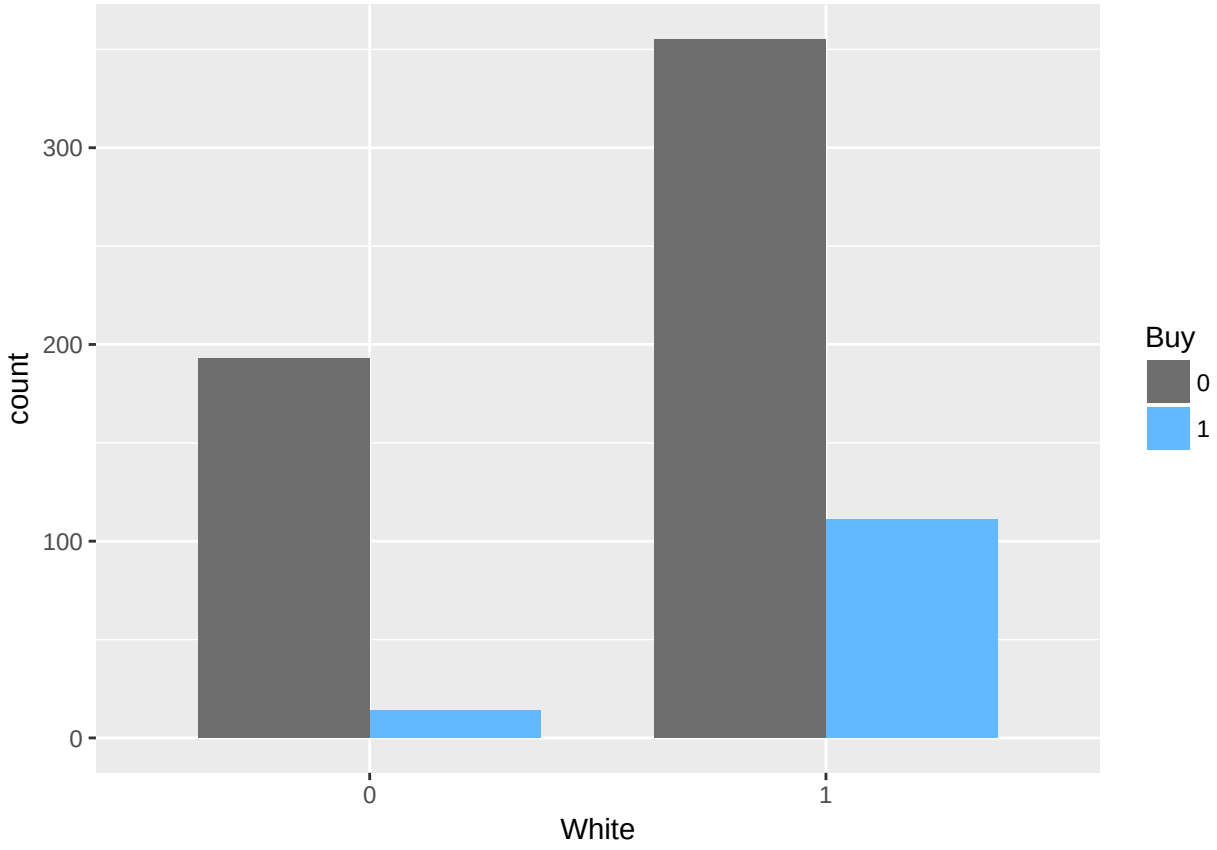
House

```
KidCreative$`House` <- as.factor(KidCreative$`House`)
KidCreative$Buy <- as.factor(KidCreative$Buy)

ggplot(KidCreative, aes(x = `House`, fill = Buy)) +
geom_bar(width = 0.75, position='dodge') +
scale_fill_manual(values = c('gray43', 'steelblue1'))
```



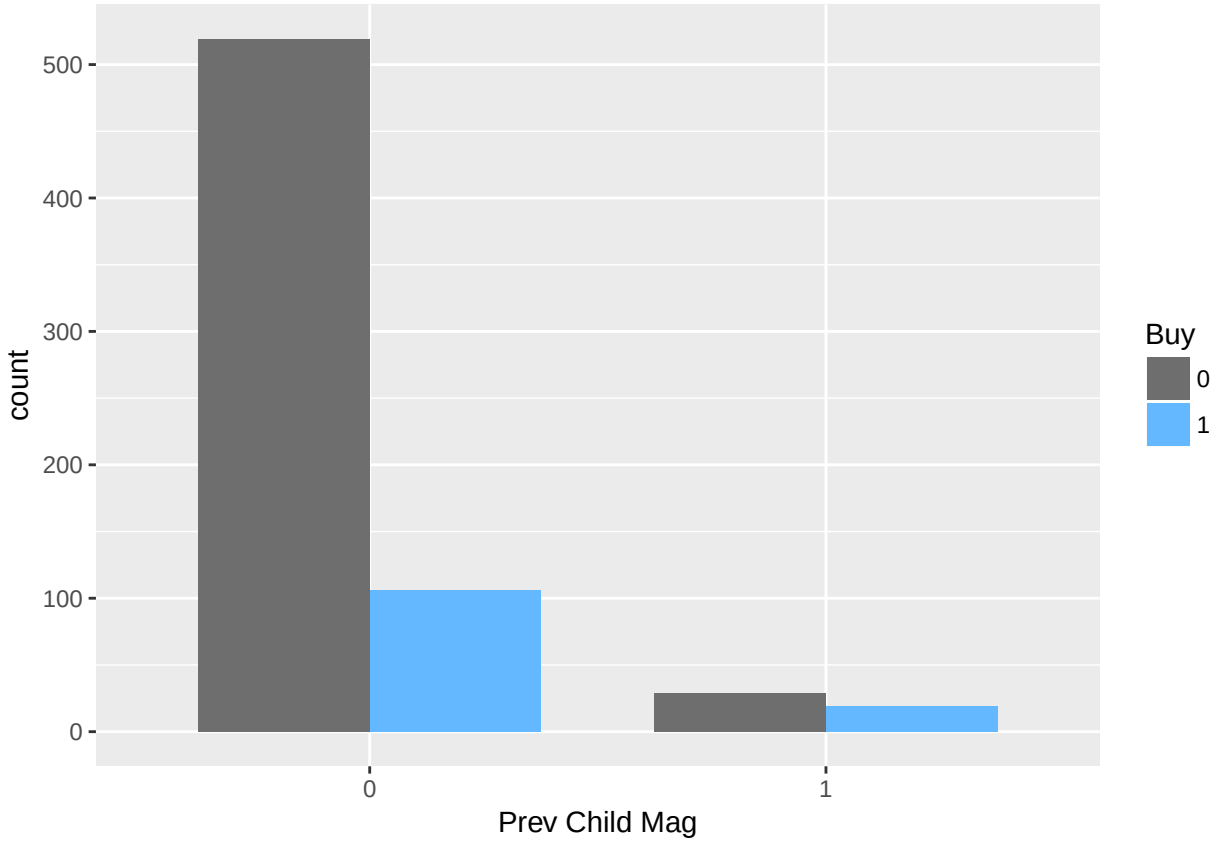
White

```
KidCreative$`White` <- as.factor(KidCreative$`White`)
KidCreative$Buy <- as.factor(KidCreative$Buy)

ggplot(KidCreative, aes(x = `White`, fill = Buy)) +
geom_bar(width = 0.75, position='dodge') +
scale_fill_manual(values = c('gray43', 'steelblue1'))
```



Prev Child Mag

```
KidCreative$`Prev Child Mag` <- as.factor(KidCreative$`Prev Child Mag`)
KidCreative$Buy <- as.factor(KidCreative$Buy)

ggplot(KidCreative, aes(x = `Prev Child Mag`, fill = Buy)) +
geom_bar(width = 0.75, position='dodge') +
scale_fill_manual(values = c('gray43', 'steelblue1'))
```


500
400
300
200
100
0
count
0
1
Prev Child Mag
Buy
0
1