615 EDA Project

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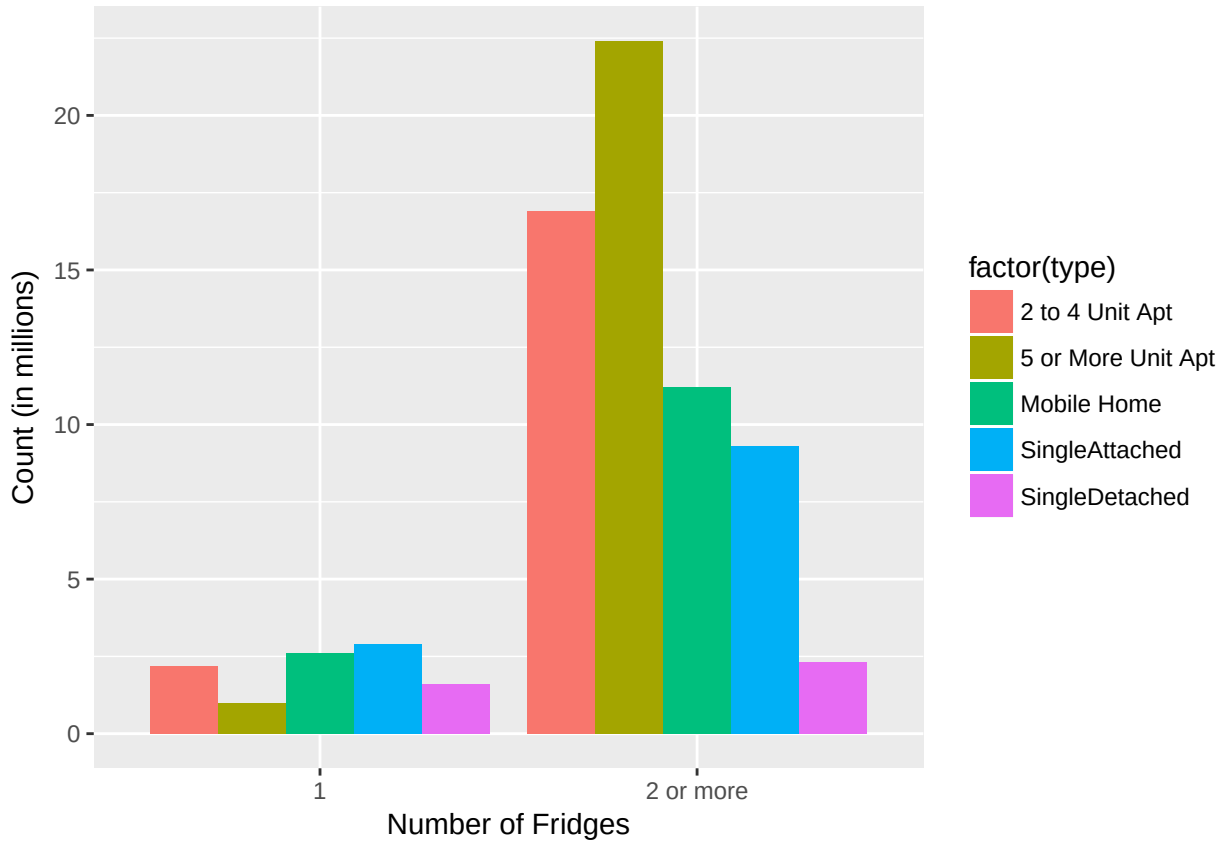
R Markdown

```
## Loading tidyverse: ggplot2
## Loading tidyverse: tibble
## Loading tidyverse: tidyr
## Loading tidyverse: readr
## Loading tidyverse: purrr
## Loading tidyverse: dplyr

## Conflicts with tidy packages ----------------------------------------------

## filter(): dplyr, stats
## lag():    dplyr, stats

## ------------------------------------------------------------------------

## You have loaded plyr after dplyr - this is likely to cause problems.
## If you need functions from both plyr and dplyr, please load plyr first, then dplyr:
## library(plyr); library(dplyr)

## ------------------------------------------------------------------------

##
## Attaching package: 'plyr'

## The following objects are masked from 'package:dplyr':
##
##     arrange, count, desc, failwith, id, mutate, rename, summarise,
##     summarize

## The following object is masked from 'package:purrr':
##
##     compact
```

```
q1 <- fridge[3:4,]
q2 <- fridge[7:11,]
q3 <- fridge[22:27,]
q4 <- fridge[37:41,]
q5 <- fridge[52:57,]
```

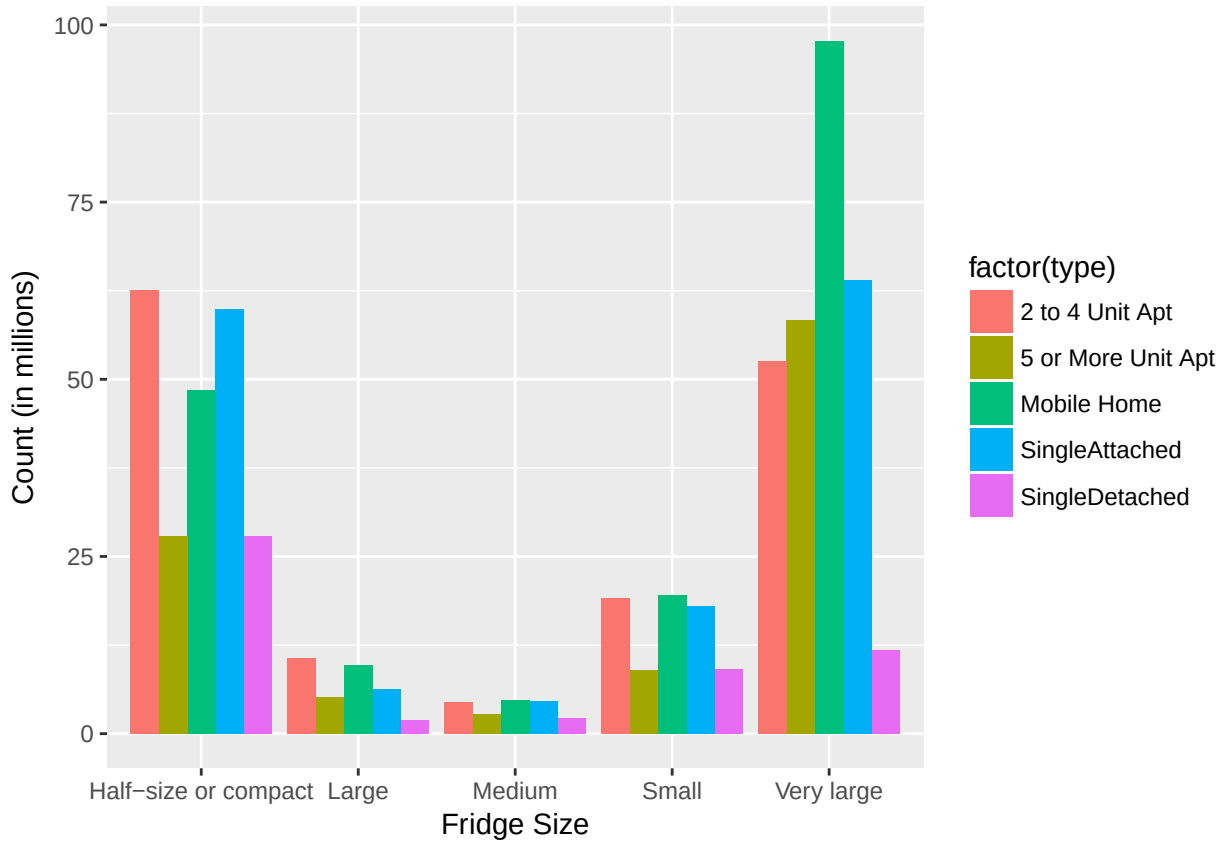
How Many Fridges Owned by Type of Home

```
q1 <- q1 %>% gather('SingleDetached', 'SingleAttached', '2 to 4 Unit Apt', '5 or More Unit Apt', 'Mobil
ggplot(q1,aes(x=X,y=value,fill=factor(type)))+
  geom_bar(stat="identity",position="dodge")+
  xlab("Number of Fridges")+ylab("Count (in millions)")
```



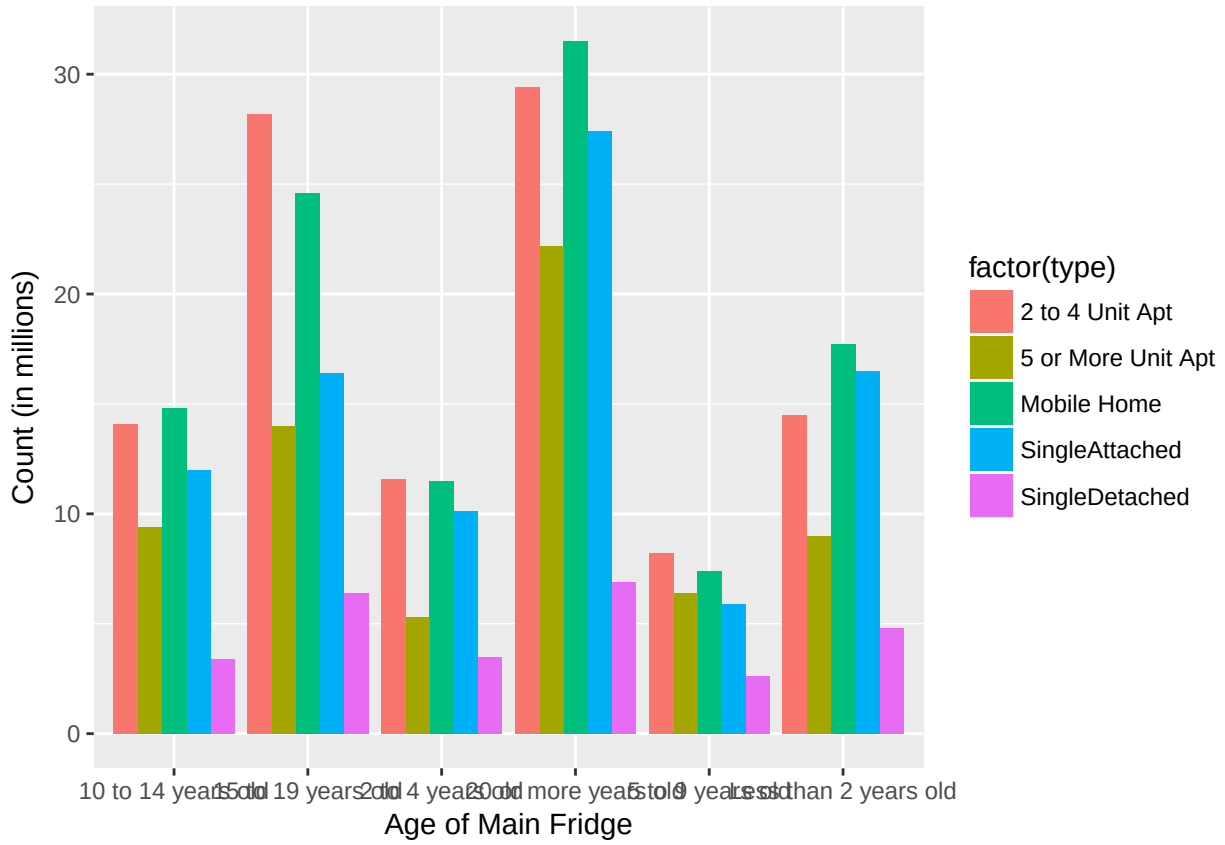
Size of Main Fridge by Type of Home

```
q2 <- q2 %>% gather('SingleDetached', 'SingleAttached', '2 to 4 Unit Apt', '5 or More Unit Apt', 'Mobil
ggplot(q2,aes(x=X,y=value,fill=factor(type)))+
  geom_bar(stat="identity",position="dodge")+
  xlab("Fridge Size")+ylab("Count (in millions)")
```



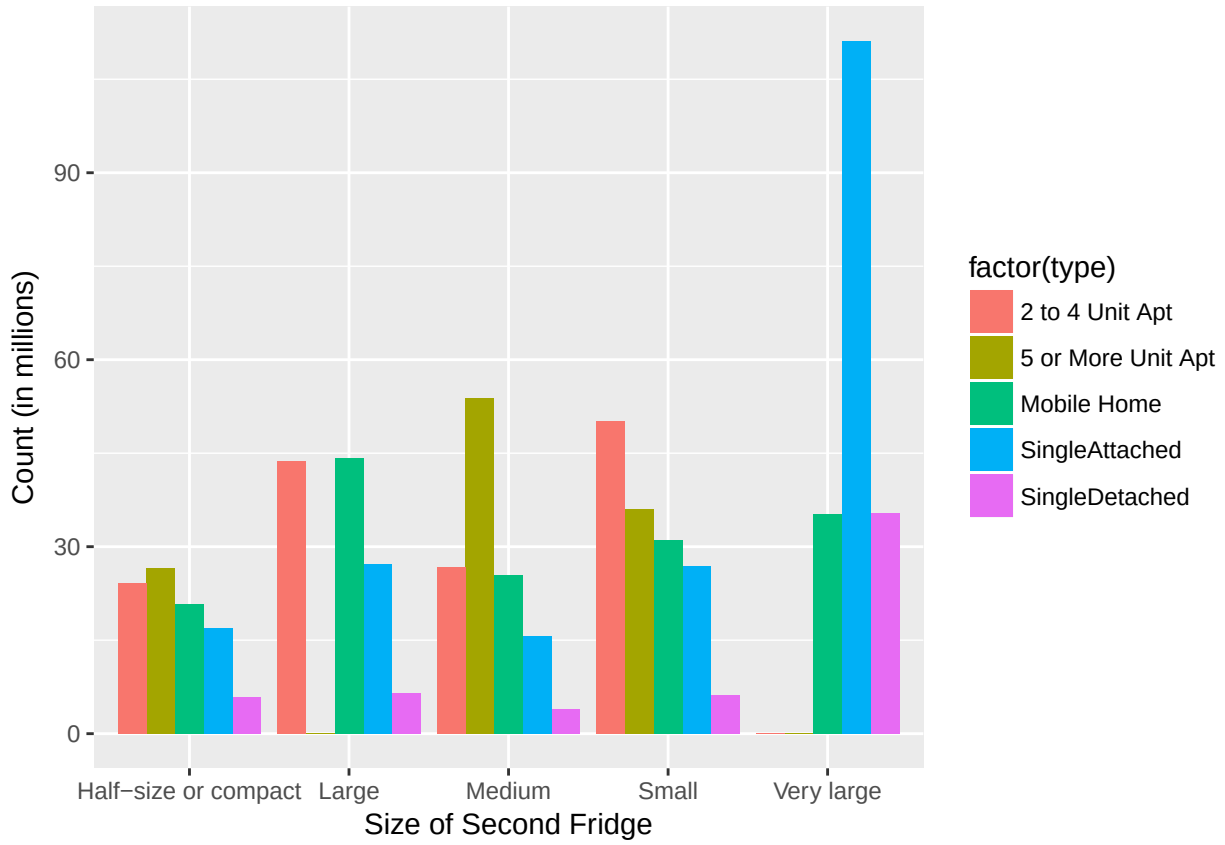
Age of Most Used Fridge by Type of Home

```
q3 <- q3 %>% gather('SingleDetached', 'SingleAttached', '2 to 4 Unit Apt', '5 or More Unit Apt', 'Mobil
ggplot(q3,aes(x=X,y=value,fill=factor(type)))+
  geom_bar(stat="identity",position="dodge")+
  xlab("Age of Main Fridge")+ylab("Count (in millions)")
```



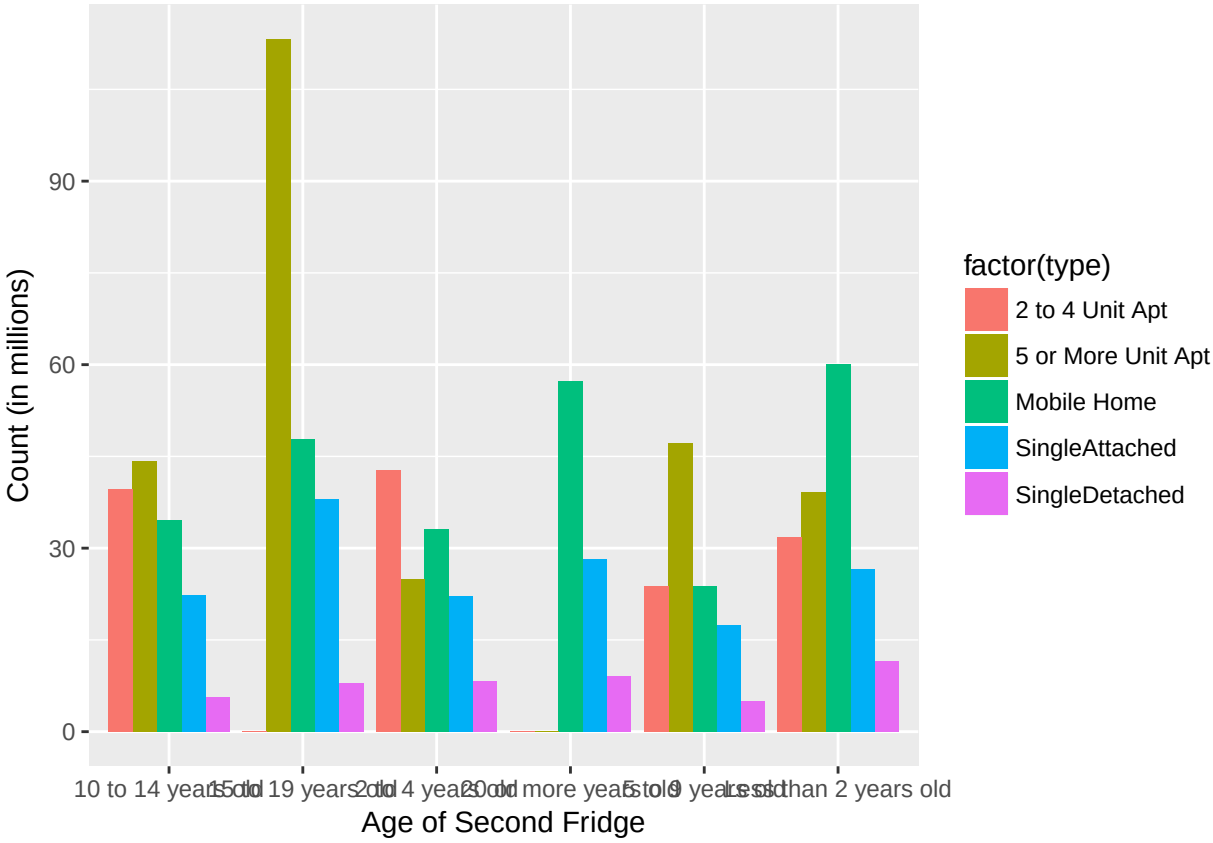
Size of Second Fridge by Type of Home

```
q4 <- q4 %>% gather('SingleDetached', 'SingleAttached', '2 to 4 Unit Apt', '5 or More Unit Apt', 'Mobil
ggplot(q4,aes(x=X,y=value,fill=factor(type)))+
  geom_bar(stat="identity",position="dodge")+
  xlab("Size of Second Fridge")+ylab("Count (in millions)")
```



Age of Second Fridge by Type of Home

```
q5 <- q5 %>% gather('SingleDetached', 'SingleAttached', '2 to 4 Unit Apt', '5 or More Unit Apt', 'Mobil
ggplot(q5,aes(x=X,y=value,fill=factor(type)))+
  geom_bar(stat="identity",position="dodge")+
  xlab("Age of Second Fridge")+ylab("Count (in millions)")
```


Count (in millions)
90
60
30
0
10 to 14 years old
15 to 19 years old
2 to 4 years old
20 or more years old
5 to 9 years old
Less than 2 years old
Age of Second Fridge
factor(type)
2 to 4 Unit Apt
5 or More Unit Apt
Mobile Home
SingleAttached
SingleDetached