Suicide rates

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```
library(readr)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
library(dbplyr)
```

```
##
## Attaching package: 'dbplyr'
```

```
## The following objects are masked from 'package:dplyr':
##
##     ident, sql
```

```
library(RMySQL)
```

```
## Loading required package: DBI
```

```
library(DBI)
library(ggplot2)
death<-
read_csv("C:/Users/garim/OneDrive/Desktop/NEU/Introduction to Data Management and Processing/data sets/s
```

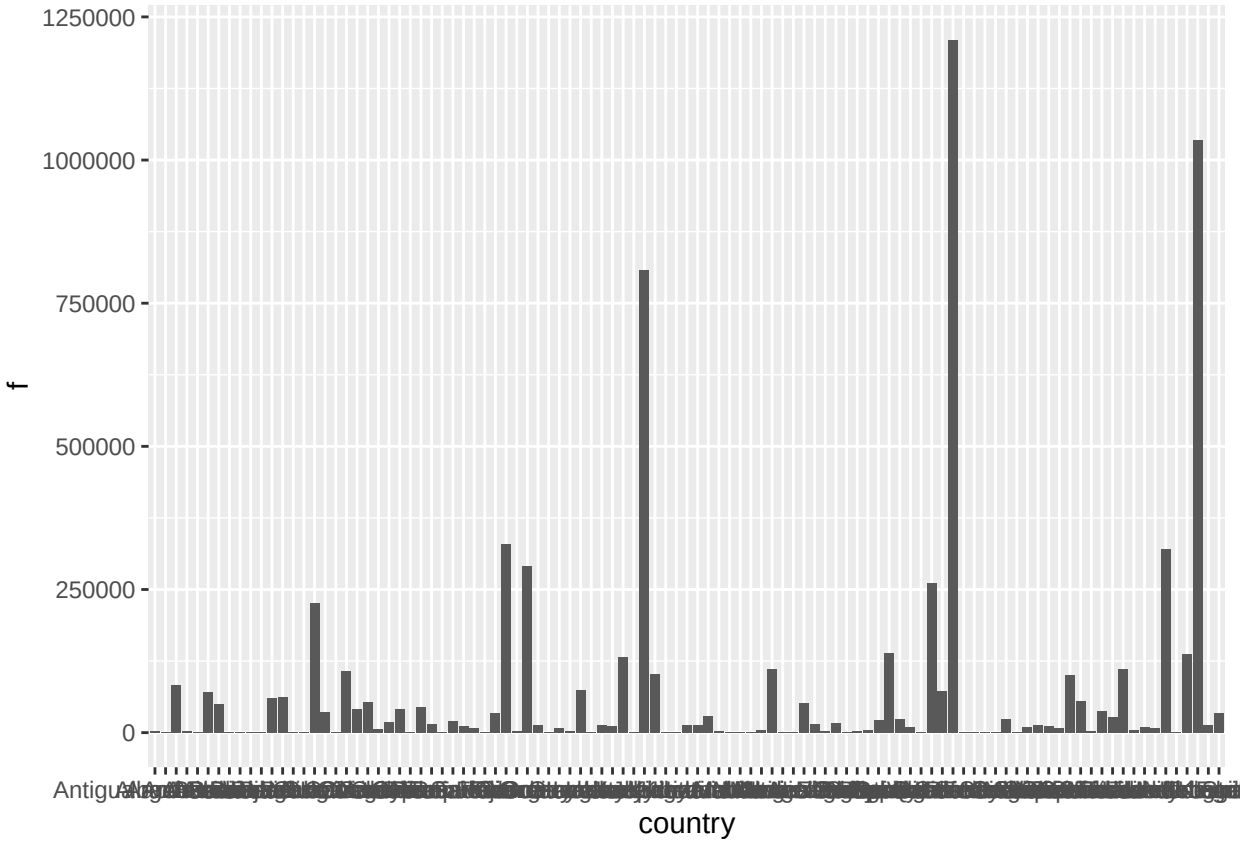
```
## Parsed with column specification:
## cols(
##   country = col_character(),
##   year = col_double(),
##   sex = col_character(),
##   age = col_character(),
##   suicides_no = col_double(),
##   population = col_double(),
##   `suicides/100k pop` = col_double(),
##   `country-year` = col_character(),
##   `HDI for year` = col_double(),
##   `gdp_for_year ($)` = col_number(),
##   `gdp_per_capita ($)` = col_double(),
##   generation = col_character()
## )
```

```
death
```

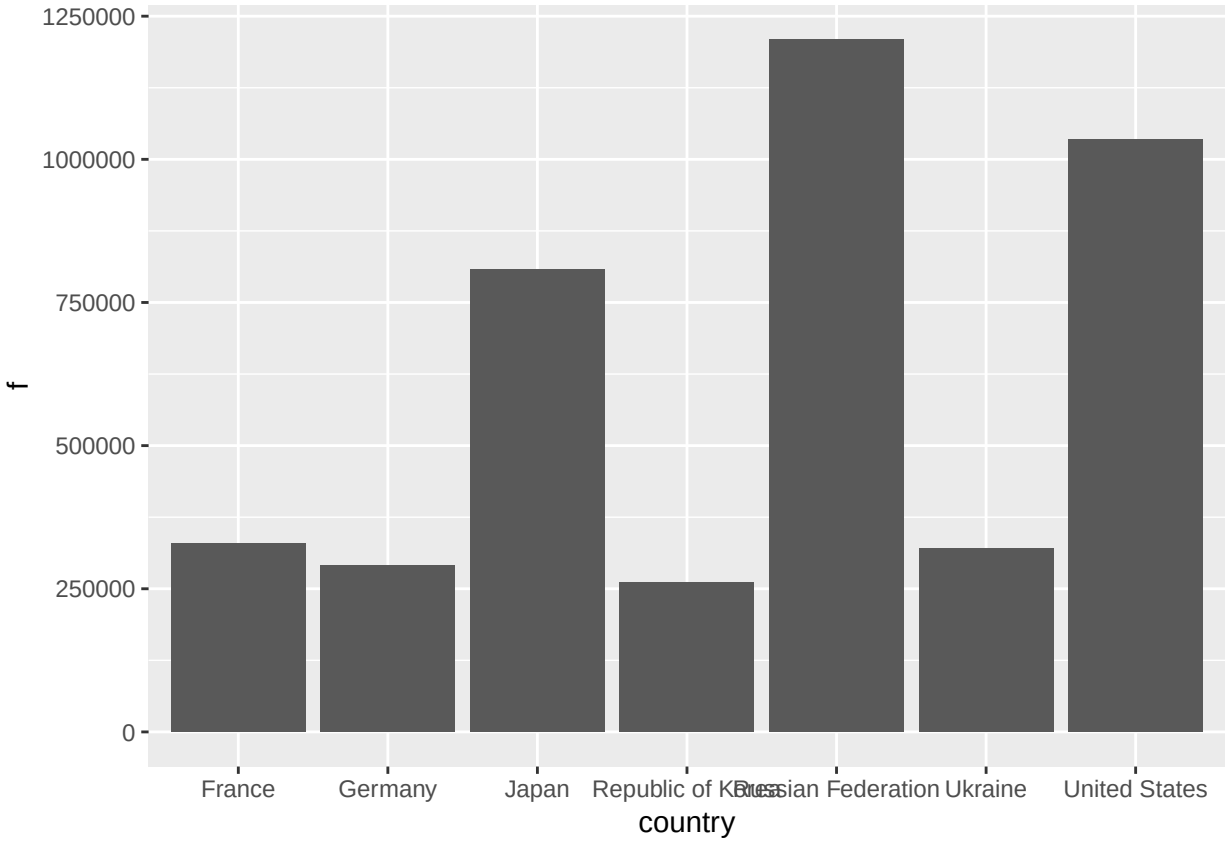
```
## # A tibble: 27,820 x 12
##    country  year sex   age   suicides_no population `suicides/100k ~
```

```
##    <chr>   <dbl> <chr> <chr>       <dbl>      <dbl>            <dbl>
##  1 Albania  1987 male  15-2~          21     312900             6.71
##  2 Albania  1987 male  35-5~          16     308000             5.19
##  3 Albania  1987 fema~ 15-2~          14     289700             4.83
##  4 Albania  1987 male  75+ ~           1      21800             4.59
##  5 Albania  1987 male  25-3~           9     274300             3.28
##  6 Albania  1987 fema~ 75+ ~           1      35600             2.81
##  7 Albania  1987 fema~ 35-5~           6     278800             2.15
##  8 Albania  1987 fema~ 25-3~           4     257200             1.56
##  9 Albania  1987 male  55-7~           1     137500             0.73
## 10 Albania  1987 fema~ 5-14~           0     311000             0
## # ... with 27,810 more rows, and 5 more variables: `country-year` <chr>,
## #   `HDI for year` <dbl>, `gdp_for_year ($)` <dbl>, `gdp_per_capita
## #   ($)` <dbl>, generation <chr>
```

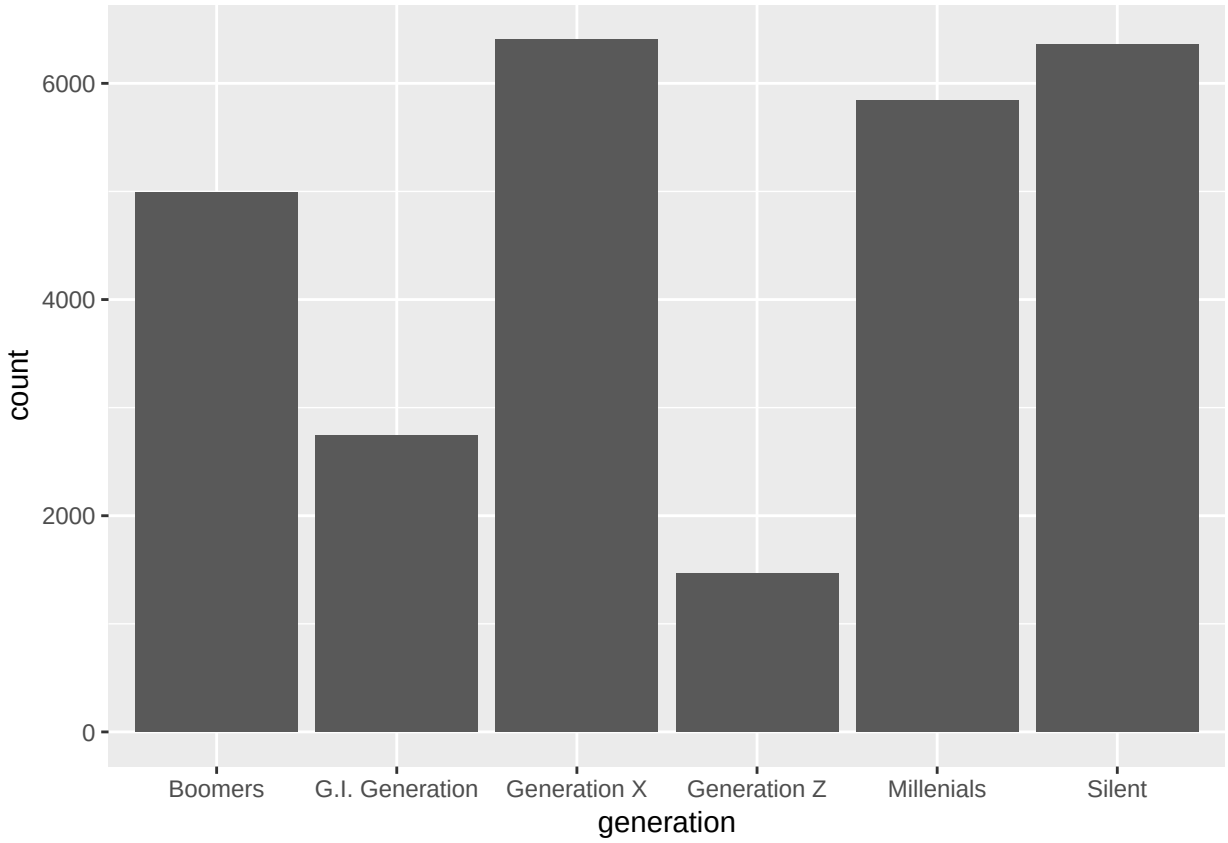
```
death %>% group_by(country) %>% summarise(f=sum(suicides_no)) %>% collect() %>% ggplot()+
  geom_bar(mapping = aes(x=country,y=f),stat = "identity")
```



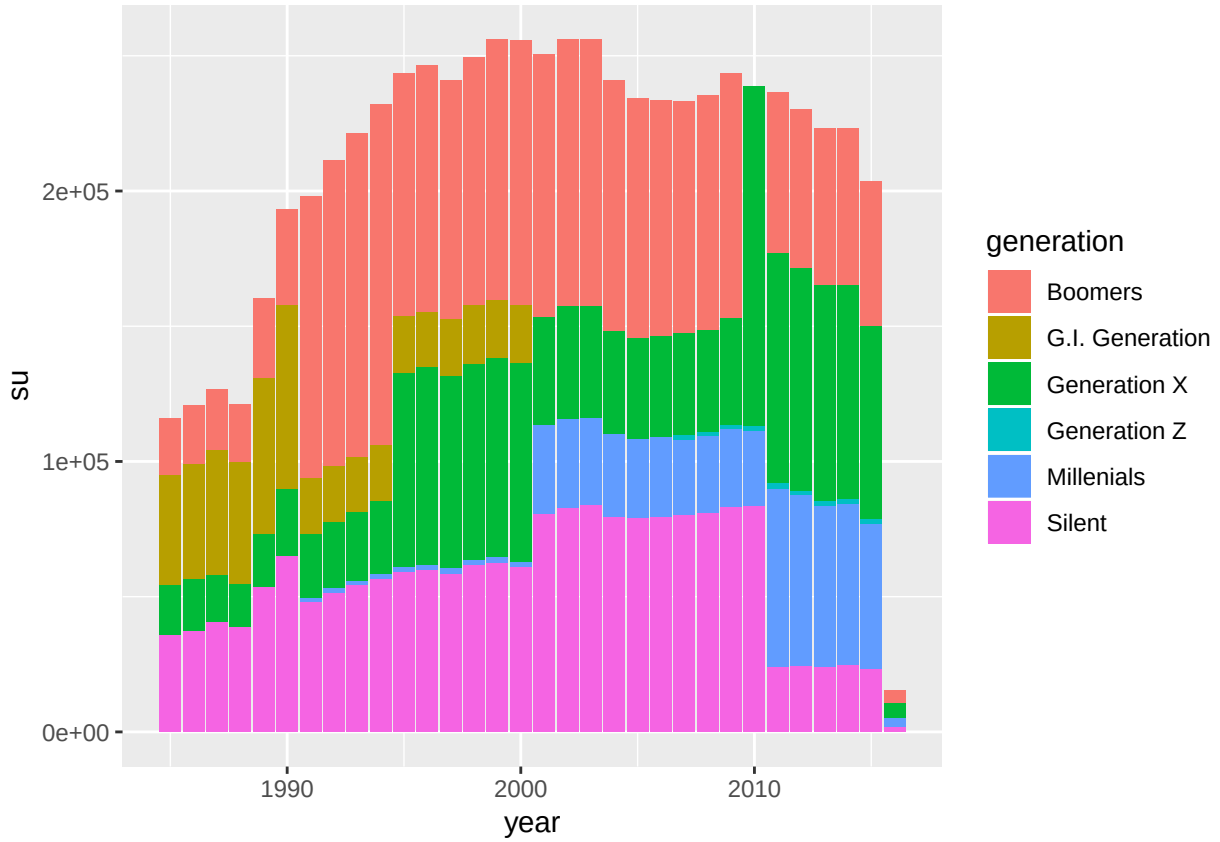

```
death %>% group_by(country) %>% summarise(f=sum(suicides_no)) %>%
  filter(f>250000) %>% collect() %>% ggplot()+geom_bar(mapping = aes(x=country,y=f),stat = "identity")
```



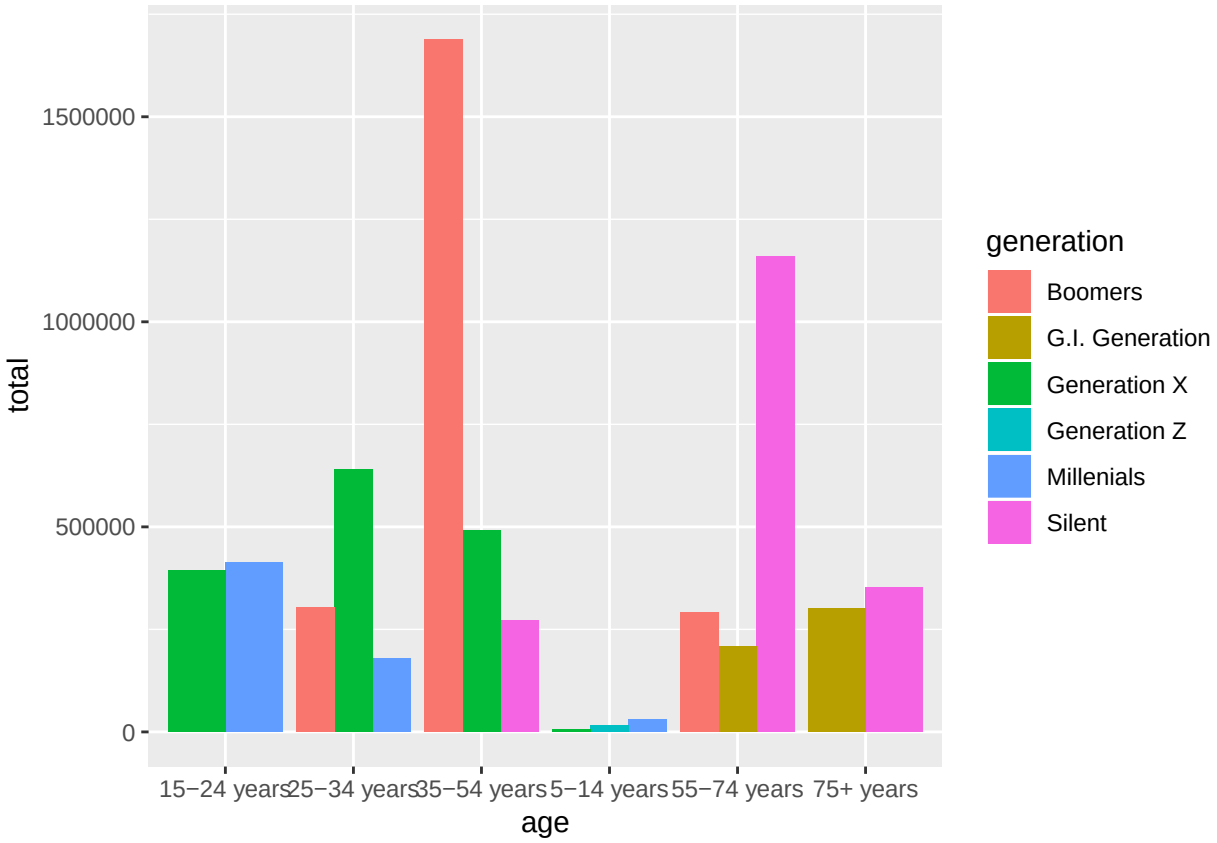

```
death %>% group_by(generation) %>% collect()%>% ggplot()+
  geom_bar(mapping = aes(x=generation))
```




```
death %>% group_by(generation,year) %>% summarise(su=sum(suicides_no)) %>% ggplot()+
  geom_bar(mapping = aes(x=year,y=su,fill=generation),stat = "identity")
```




```
death %>% group_by(age,generation) %>% summarise(total=sum(suicides_no)) %>% collect() %>% ggplot()+
  geom_bar(mapping = aes(x=age,y=total,fill=generation),stat = "identity",position = "dodge")
```


1500000
1000000
500000
0
total
15−24 years
25−34 years
35−54 years
5−14 years
55−74 years
75+ years
age
generation
Boomers
G.I. Generation
Generation X
Generation Z
Millenials
Silent