

```
``{r setup, include=FALSE}
```

```
library(tidyverse)
```

```
library(naniar)
```

```
library(visdat)
```

```
Billionaires <- read.csv("forbes_billionaires.csv", header = TRUE, na.strings = c("NA", "N/A", ""))
```

```
head(Billionaires)
```

```
glimpse(Billionaires)
```

```
sum(duplicated(Billionaires))
```

```
Billionaires %>%
```

```
  count(Name) %>%
```

```
  filter (n > 1)
```

```
sum(is.na(Billionaires))
```

```
miss_var_summary(Billionaires)
```

```
Billionaires %>%
```

```
  arrange(NetWorth) %>%
```

```
  vis_miss()
```

```
``
```

```
``{r cars}
```

```
Billionaires_cleaned <- na.omit(Billionaires) %>%
```

```
  distinct(Name, .keep_all = TRUE)
```

```
sum(is.na(Billionaires_cleaned))
```

```
Billionaires_cleaned %>%
```

```
count(Name) %>%
```

```
filter (n > 1)
```

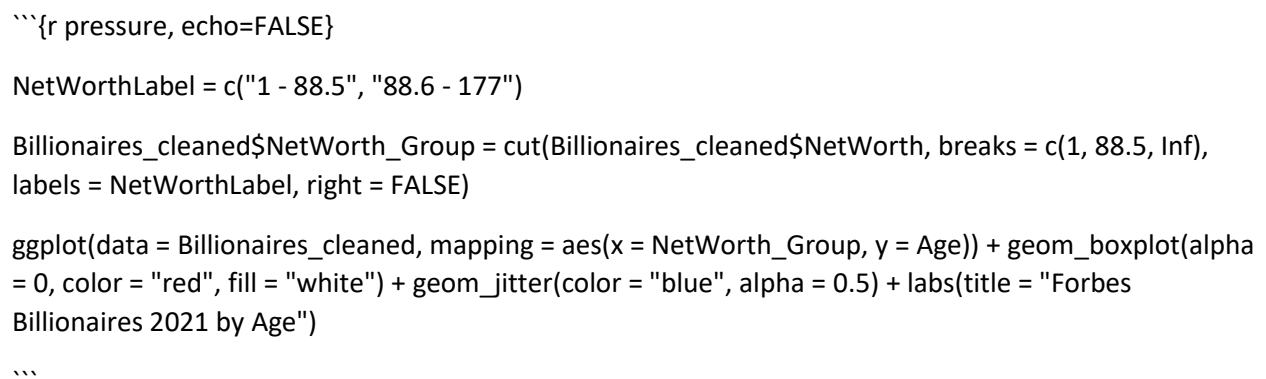
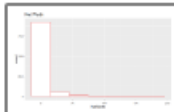
```
print(Billionaires$NetWorth)
```

```
Billionaires_cleaned %>%
```

```
ggplot(aes(x = NetWorth)) + geom_histogram(binwidth = 30, color = "red", fill = "white") + labs(title =  
"Net Worth")
```

```
...
```

```
3.9 3.9 3.9 3.9 3.9  
[757] 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9  
3.9 3.9 3.9 3.9 3.9  
[775] 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8  
3.8 3.8 3.8 3.8 3.8  
[793] 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8  
3.8 3.7 3.7 3.7 3.7  
[811] 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7  
3.7 3.7 3.7 3.7 3.7  
[829] 3.7 3.7 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6  
3.6 3.6 3.6 3.6 3.6  
[847] 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.5  
3.5 3.5 3.5 3.5 3.5  
[865] 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5  
3.5 3.5 3.5 3.5 3.5  
[883] 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.4 3.4 3.4 3.4 3.4  
3.4 3.4 3.4 3.4 3.4  
[901] 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4  
3.4 3.4 3.4 3.4 3.4  
[919] 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.3 3.3 3.3 3.3 3.3 3.3  
3.3 3.3 3.3 3.3 3.3  
[937] 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3  
3.3 3.3 3.3 3.3 3.3  
[955] 3.3 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2  
3.2 3.2 3.2 3.2 3.2  
[973] 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2  
3.1 3.1 3.1 3.1 3.1  
[991] 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1  
[ reached getoption("max.print") -- omitted 1755 entries ]
```



Forbes Billionaires 2021 by Age

