Tidytuesday 2021-02-23

Get the Data

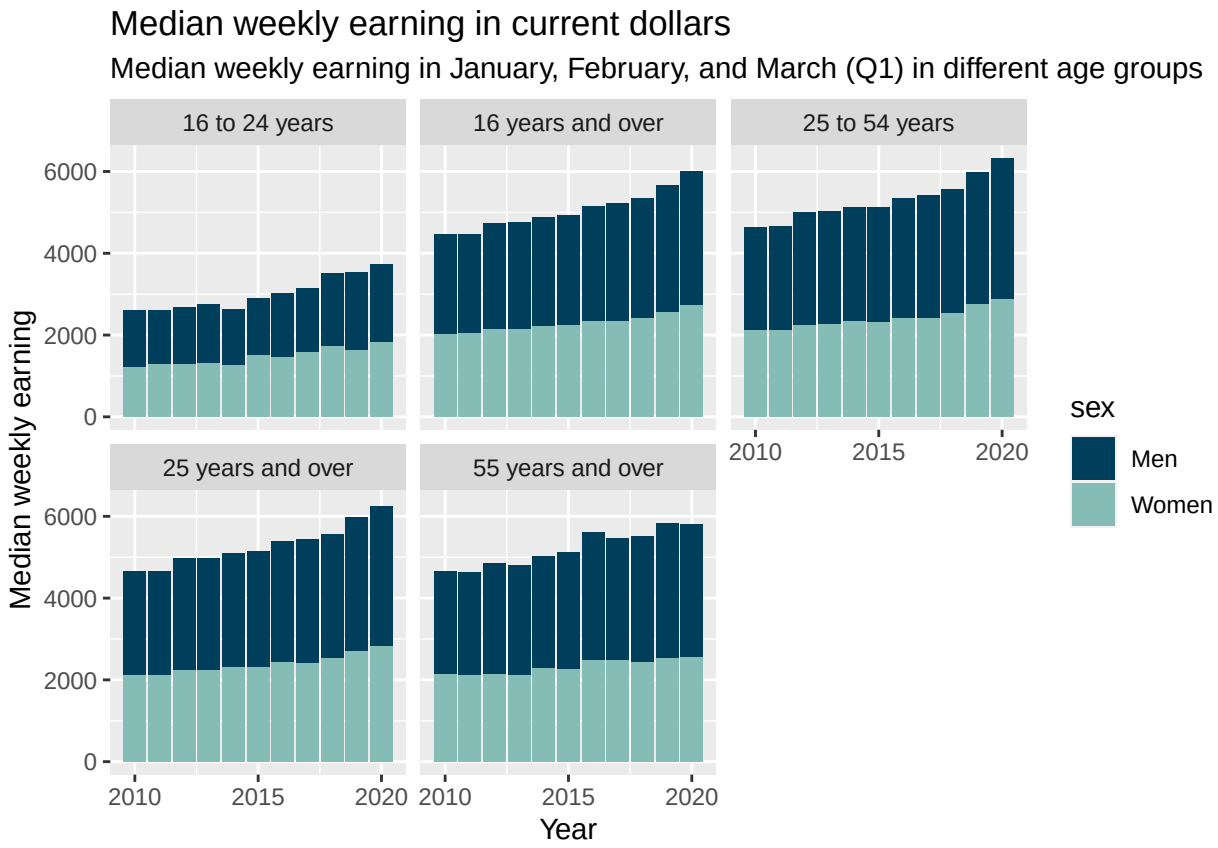
```
library(tidytuesdayR)
library(tidyverse)

tuesdata <- tidytuesdayR::tt_load('2021-02-23')
```

```
##
##  Downloading file 1 of 2: `earn.csv`
##  Downloading file 2 of 2: `employed.csv`
```

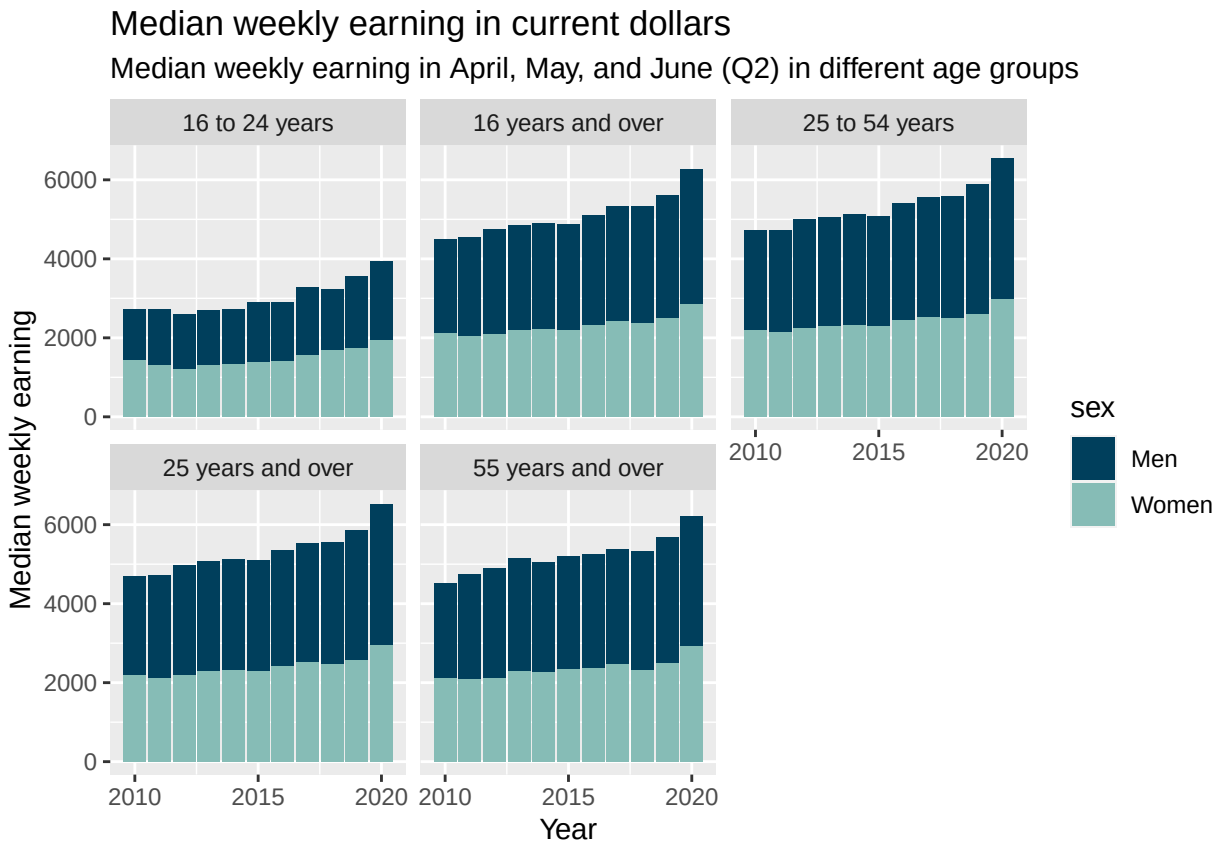
```
earn <- tuesdata$earn
```

Data Wrangling and Visualization

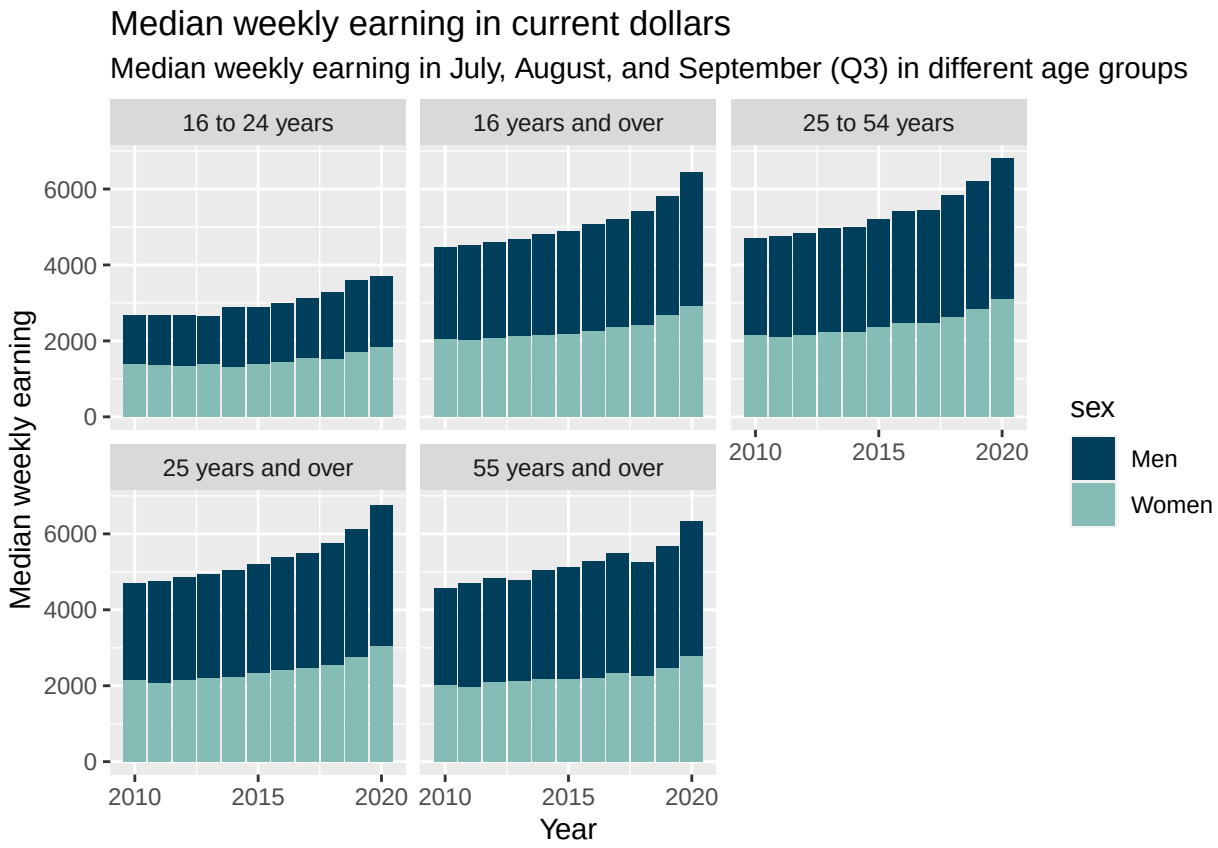
```
earn1 <- earn %>%
  filter(quarter == 1) %>%
  filter(race != "All Races") %>%
  filter(sex != "Both Sexes")

earn2 <- earn %>%
  filter(quarter == 2) %>%
  filter(race != "All Races") %>%
  filter(sex != "Both Sexes")

earn3 <- earn %>%
  filter(quarter == 3) %>%
  filter(race != "All Races") %>%
  filter(sex != "Both Sexes")

earn4 <- earn %>%
  filter(quarter == 4) %>%
  filter(race != "All Races") %>%
  filter(sex != "Both Sexes")

earn1 %>%
ggplot(aes(x = year, y = median_weekly_earn, fill = sex)) + geom_bar(stat = "identity") +
labs(title = "Median weekly earning in current dollars",
subtitle = "Median weekly earning in January, February, and March (Q1) in different age groups",
x = "Year",
y = "Median weekly earning") +
  scale_x_continuous(breaks = c(2010,2015,2020))+
scale_fill_manual(values = c("#003F5C", "#86BCB6"), breaks = c("Men", "Women"))+
  facet_wrap(~age)
```



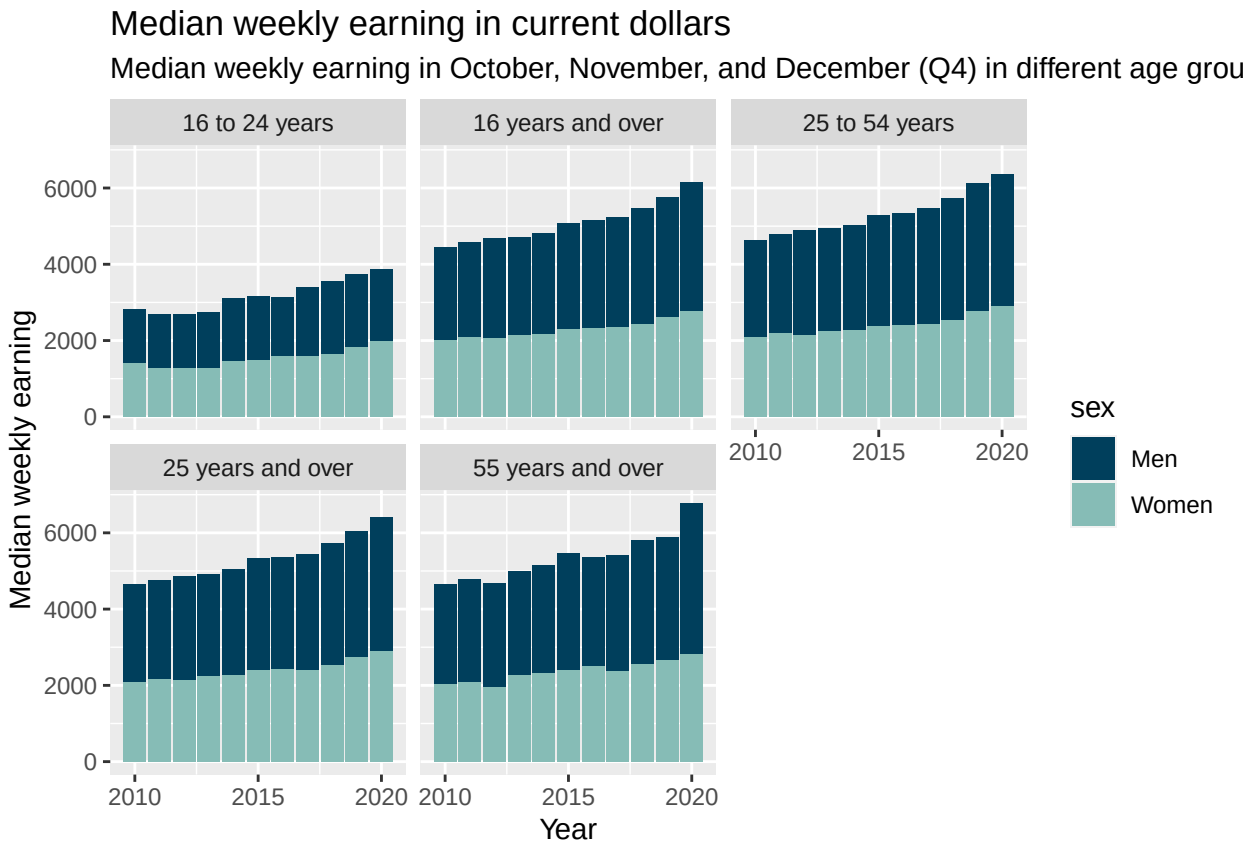

```
earn2 %>%
ggplot(aes(x = year, y = median_weekly_earn, fill = sex)) + geom_bar(stat = "identity") +
labs(title = "Median weekly earning in current dollars",
subtitle = "Median weekly earning in April, May, and June (Q2) in different age groups",
x = "Year",
y = "Median weekly earning") +
  scale_x_continuous(breaks = c(2010,2015,2020))+
scale_fill_manual(values = c("#003F5C", "#86BCB6"), breaks = c("Men", "Women"))+
  facet_wrap(~age)
```




```
earn3 %>%
ggplot(aes(x = year, y = median_weekly_earn, fill = sex)) + geom_bar(stat = "identity") +
labs(title = "Median weekly earning in current dollars",
subtitle = "Median weekly earning in July, August, and September (Q3) in different age groups",
x = "Year",
y = "Median weekly earning") +
  scale_x_continuous(breaks = c(2010,2015,2020))+
scale_fill_manual(values = c("#003F5C", "#86BCB6"), breaks = c("Men", "Women"))+
  facet_wrap(~age)
```




```
earn4 %>%
ggplot(aes(x = year, y = median_weekly_earn, fill = sex)) + geom_bar(stat = "identity") +
labs(title = "Median weekly earning in current dollars",
subtitle = "Median weekly earning in October, November, and December (Q4) in different age groups",
x = "Year",
y = "Median weekly earning") +
  scale_x_continuous(breaks = c(2010,2015,2020))+
scale_fill_manual(values = c("#003F5C", "#86BCB6"), breaks = c("Men", "Women"))+
  facet_wrap(~age)
```


Median weekly earning in current dollars
Median weekly earning in October, November, and December (Q4) in different age grou
16 to 24 years
16 years and over
25 to 54 years
25 years and over
55 years and over
Median weekly earning
0
2000
4000
6000
2010
2015
2020
Year
sex
Men
Women