

# My title\*

My subtitle if needed

First author

Another author

14 March 2023

First sentence. Second sentence. Third sentence. Fourth sentence.

```
knitr::opts_chunk$set(echo = FALSE)
knitr::opts_chunk$set(warning = FALSE)
knitr::opts_chunk$set(message = FALSE)
knitr::opts_chunk$set(fig.width=6.5, fig.height=2.8)
```

```
# loading in relevant libraries
library(RColorBrewer)
library(tidyverse)
```

```
-- Attaching packages ----- tidyverse 1.3.2 --
v ggplot2 3.4.0      v purrr   1.0.1
v tibble  3.1.8      v dplyr   1.0.10
v tidyr   1.3.0      v stringr 1.5.0
v readr   2.1.3      v forcats 0.5.2
-- Conflicts ----- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
```

```
library(dplyr, warn.conflicts = FALSE)
library(tidyr)
library(readxl)
library(data.table)
```

---

\*Code and data are available at: [LINK](#).

Attaching package: 'data.table'

The following objects are masked from 'package:dplyr':

between, first, last

The following object is masked from 'package:purrr':

transpose

```
library(lubridate)
```

Attaching package: 'lubridate'

The following objects are masked from 'package:data.table':

hour, isoweek, mday, minute, month, quarter, second, wday, week,  
yday, year

The following objects are masked from 'package:base':

date, intersect, setdiff, union

```
library(haven)
```

```
library(readxl)
```

```
library(ggplot2)
```

```
### Input data ###
```

```
income_data_percentage<-read.csv(here::here("outputs/data/income_3years.csv"))
```

```
sex_data<-read.csv(here::here("outputs/data/sex_data.csv"))
```

```
race_data<-read.csv(here::here("outputs/data/race_data.csv"))
```

```
employee_status_data<-read.csv(here::here("outputs/data/employee_status_data.csv"))
```

```
industry_sector_data<-read.csv(here::here("outputs/data/industry_sector_data.csv"))
```

```
science_course_data<-read.csv(here::here("outputs/data/science_course_data.csv"))
```

# **1 Introduction**

You can and should cross-reference sections and sub-sections. For instance, Section [2](#) and Section [4.1](#).

## **2 Data**

## **3 Results**

## **4 Discussion**

### **4.1 First discussion point**

If my paper were 10 pages, then should be at least 2.5 pages. The discussion is a chance to show off what you know and what you learnt from all this.

### **4.2 Second discussion point**

### **4.3 Third discussion point**

### **4.4 Weaknesses and next steps**

Weaknesses and next steps should also be included.

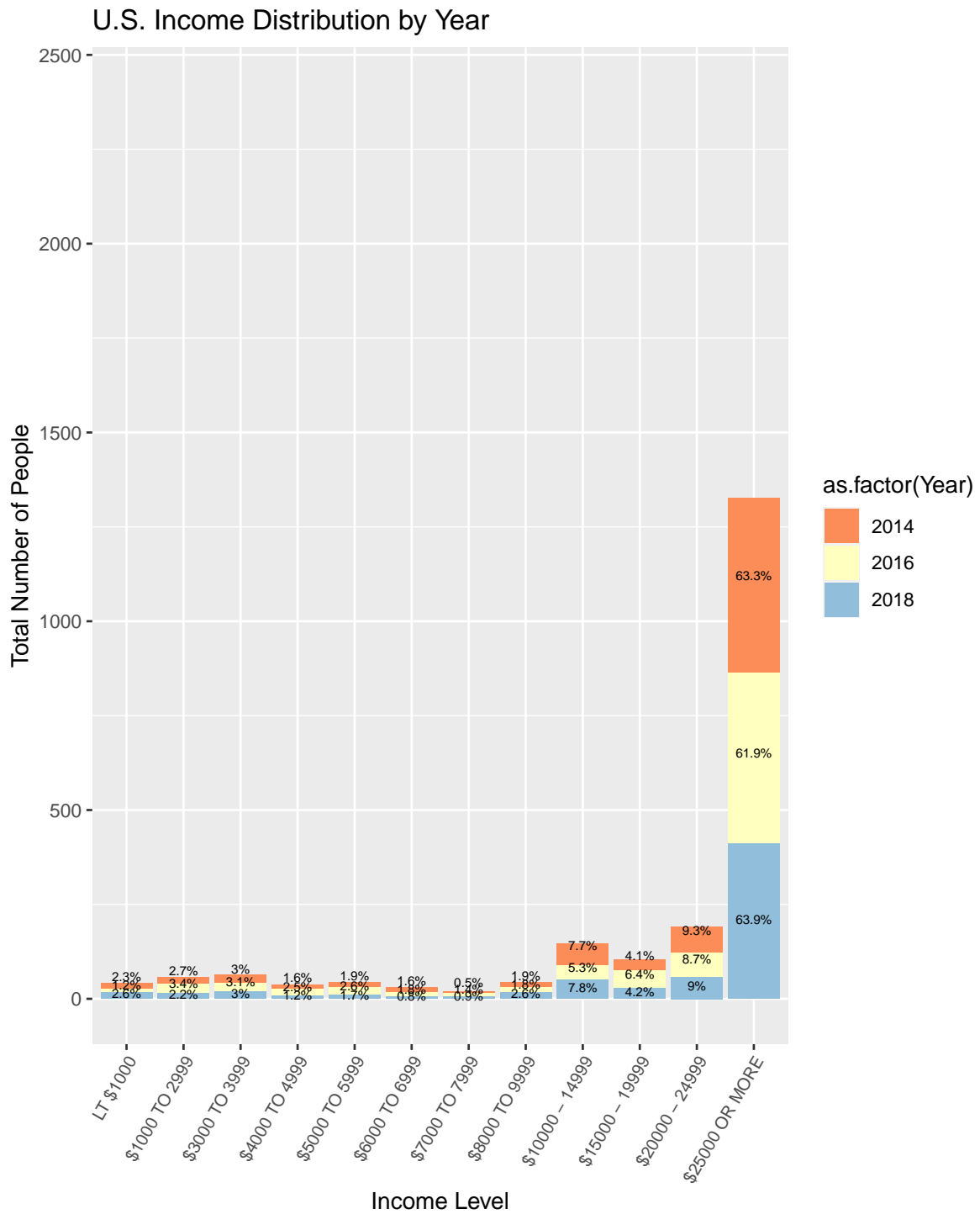


Figure 1: U.S. Income Distribution from 2014 to 2018

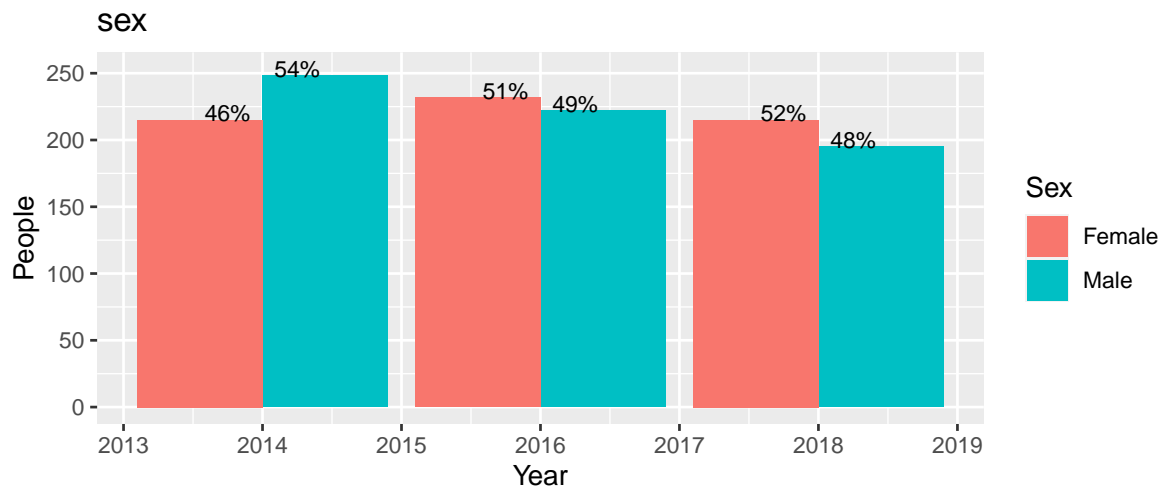


Figure 2: U.S. Income Distribution by Sex

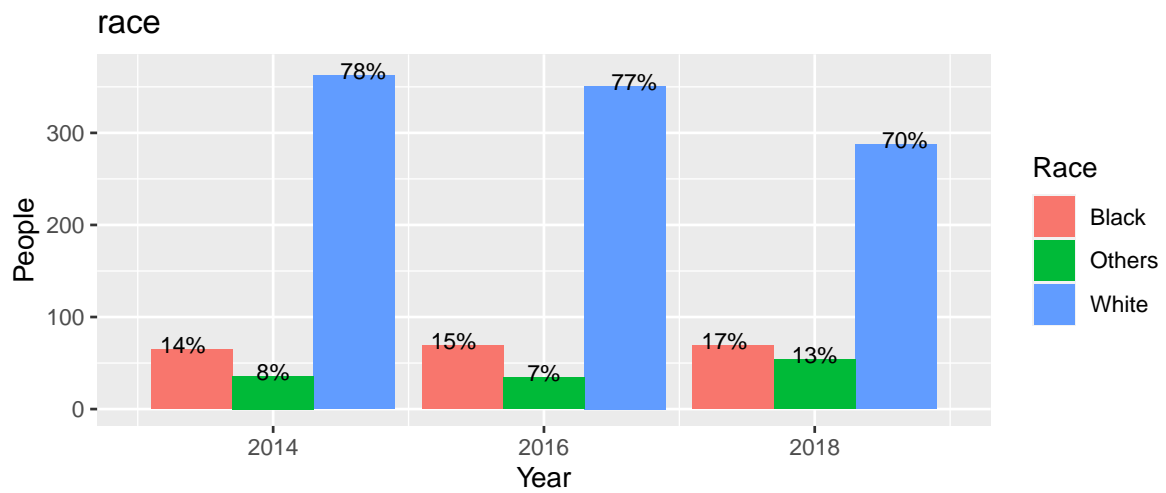


Figure 3: U.S. Income Distribution by Race

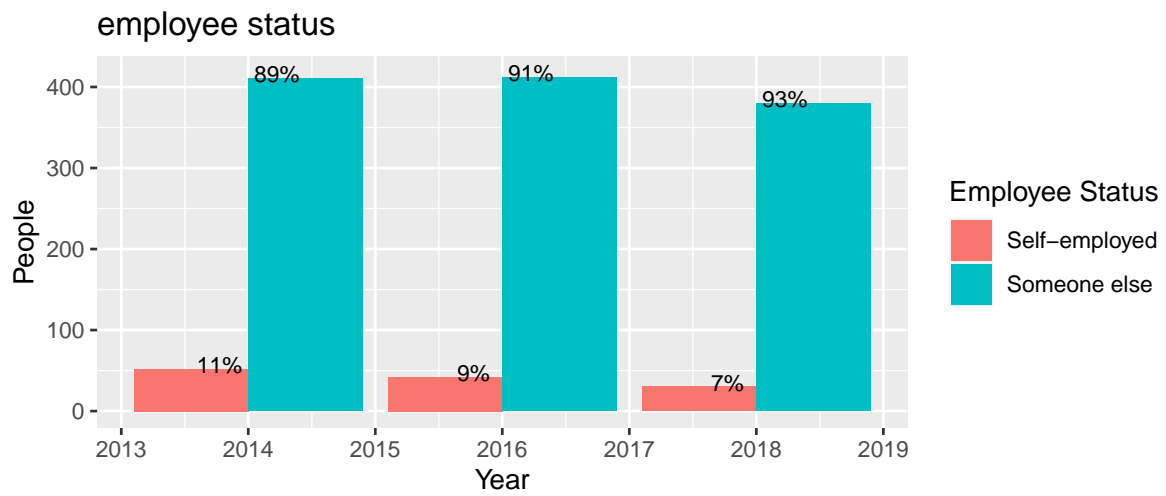


Figure 4: U.S. Income Distribution by Employee Status

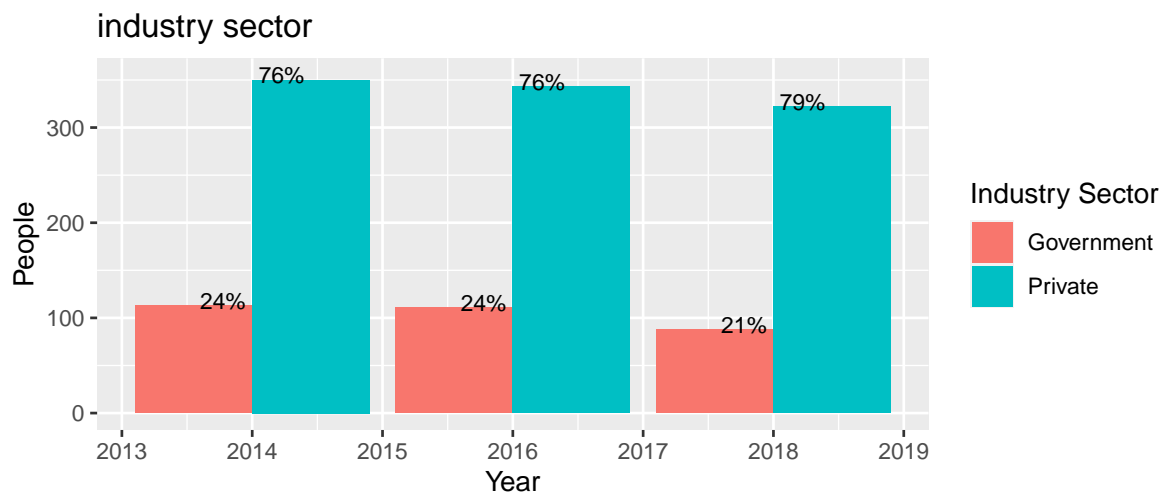


Figure 5: U.S. Income Distribution by Industry Sector

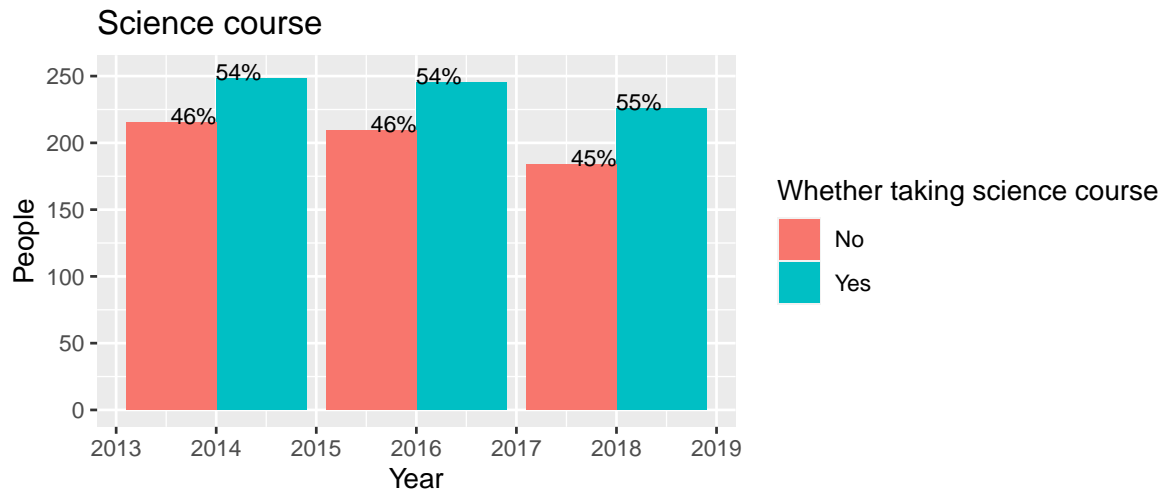


Figure 6: U.S. Income Distribution by College Level Science Courses

## Appendix

### A Additional details

## B References