

Group Project - STAT1261

Mahima Sindhu

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```
library(tidyr)
```

```
## Warning: package 'tidyr' was built under R version 4.0.3
```

```
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(atus)
```

```
## Warning: package 'atus' was built under R version 4.0.3
```

```
data("atuscps")
```

```
cps <- as_tibble(atuscps)
```

```
cps
```

```
## # A tibble: 181,335 x 13
```

```
##   tucaseid region state sex    age edu   race  hispanic country_born citizen
```

```
##   <dbl> <fct> <fct> <fct> <int> <fct> <fct> <fct> <fct> <fct>
```

```
## 1 2.00e13 west CA male 60 mast~ Blac~ no US yes
```

```
## 2 2.00e13 west CA fema~ 41 some~ Whit~ no US yes
```

```
## 3 2.00e13 west CA fema~ 25 asso~ Whit~ no US yes
```

```
## 4 2.00e13 south GA fema~ 36 hs d~ Blac~ no US yes
```

```
## 5 2.00e13 south KY male 50 prof~ Whit~ no US yes
```

```
## 6 2.00e13 south KY fema~ 32 bach~ Whit~ no US yes
```

```
## 7 2.00e13 south LA fema~ 43 hs d~ Whit~ no US yes
```

```
## 8 2.00e13 midwe~ MI fema~ 20 some~ Whit~ no US yes
```

```
## 9 2.00e13 midwe~ MN fema~ 33 asso~ Whit~ no US yes
```

```
## 10 2.00e13 north~ NJ fema~ 38 asso~ Blac~ no non-US no
```

```
## # ... with 181,325 more rows, and 3 more variables: marital <fct>,
```

```
## # home_type <fct>, famincome <fct>
```

```
library(ggplot2)
```

```
## Warning: package 'ggplot2' was built under R version 4.0.3
```

```
plotcps <- ggplot(data=atuscps) +
```

```
  geom_bar(mapping=aes(x=famincome, fill=home_type)) +
```

```
xlab("Family Income") +  
ylab("Count")
```

```
plotcps + theme(axis.text.x = element_text(size = 3))
```

