

Untitled

```
knitr::opts_chunk$set(echo = TRUE)
```

Chart A

```
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(magrittr)
library(knitr)

consumer <- readRDS("/Users/Thiago/Downloads/complaints.rds")
```

```
## Warning in readRDS("/Users/Thiago/Downloads/complaints.rds"): input string 'NEW
## YORK STATE HIGHER EDUCATION SERVICES CORPORATION (HESC)â€™' cannot be translated
## to UTF-8, is it valid in 'CP1252'?

## Warning in readRDS("/Users/Thiago/Downloads/complaints.rds"): input string 'NEW
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```

```
consumer %>%
  group_by(company) %>%
  summarise(n()) %>%
  top_n(5)
```

```
## Selecting by n()

## # A tibble: 5 × 2
##   company                                `n()`
##   <chr>                                <int>
## 1 BANK OF AMERICA, NATIONAL ASSOCIATION    8191
## 2 CAPITAL ONE FINANCIAL CORPORATION        8317
## 3 EQUIFAX, INC.                          70075
## 4 Experian Information Solutions Inc.      81264
## 5 TRANSUNION INTERMEDIATE HOLDINGS, INC.  77386
```

Column

Chart B

```
consumer %>%
  group_by(state) %>%
  summarise(n()) %>%
  top_n(10)
```

```
## Selecting by n()

## # A tibble: 10 × 2
##   state `n()`
##   <chr> <int>
## 1 CA    46721
## 2 FL    50449
## 3 GA    23881
## 4 IL    12732
## 5 NC    10878
## 6 NJ    12643
## 7 NY    25445
## 8 PA    18380
## 9 TN    10095
## 10 TX   44504
```

Chart C

```
library(ggplot2)
library(scales)
library(stringr)
ggplot(data=consumer, aes(x=product)) +
  geom_bar() +
  geom_text(stat='count', aes(label=..count..), vjust=-1) +
  scale_x_discrete(labels = function(x) str_wrap(x, width = 2)) +
  scale_y_continuous(labels = comma)
```

