

Create fiscal years

Anisha Dubhashi

11/13/2017

load data

```
df <- read_csv("catalog sales data.csv")

## Parsed with column specification:
## cols(
##   targdol = col_double(),
##   datead6 = col_character(),
##   datelp6 = col_character(),
##   lpuryear = col_integer(),
##   slstyr = col_integer(),
##   slslyr = col_integer(),
##   sls2ago = col_integer(),
##   sls3ago = col_integer(),
##   slshist = col_integer(),
##   ordtyr = col_integer(),
##   ordlyr = col_integer(),
##   ord2ago = col_integer(),
##   ord3ago = col_integer(),
##   ordhist = col_integer(),
##   falord = col_integer(),
##   sprord = col_integer(),
##   train = col_integer()
## )

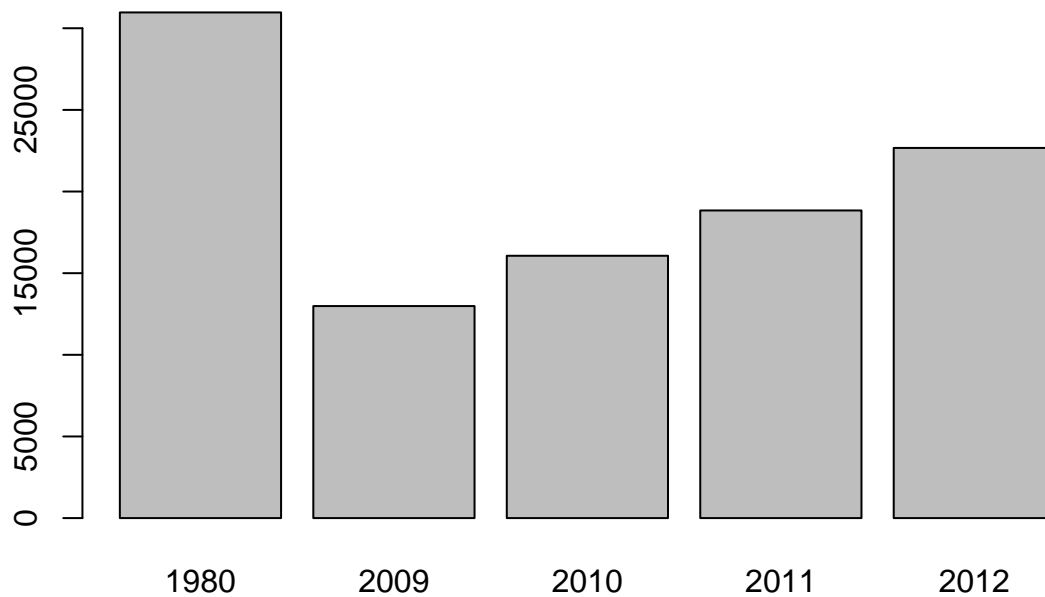
df$datead6 <- as.Date(df$datead6,format = "%m/%d/%Y")
df$datelp6 <- as.Date(df$datelp6,format = "%m/%d/%Y")
```

Create year_ordyr

```
df$year_ordyr <- format(1980, format = "%Y")

for (i in 1:nrow(df)) {
  if (df$ordtyr[i] > 0) {
    df$year_ordyr[i] <- format(2012, format = "%Y")
  } else if (df$ordlyr[i] > 0) {
    df$year_ordyr[i] <- format(2011, format = "%Y")
  } else if (df$ord2ago[i] > 0) {
    df$year_ordyr[i] <- format(2010, format = "%Y")
  } else if (df$ord3ago[i] > 0) {
    df$year_ordyr[i] <- format(2009, format = "%Y")
  }
}

barplot(table(df$year_ordyr))
```

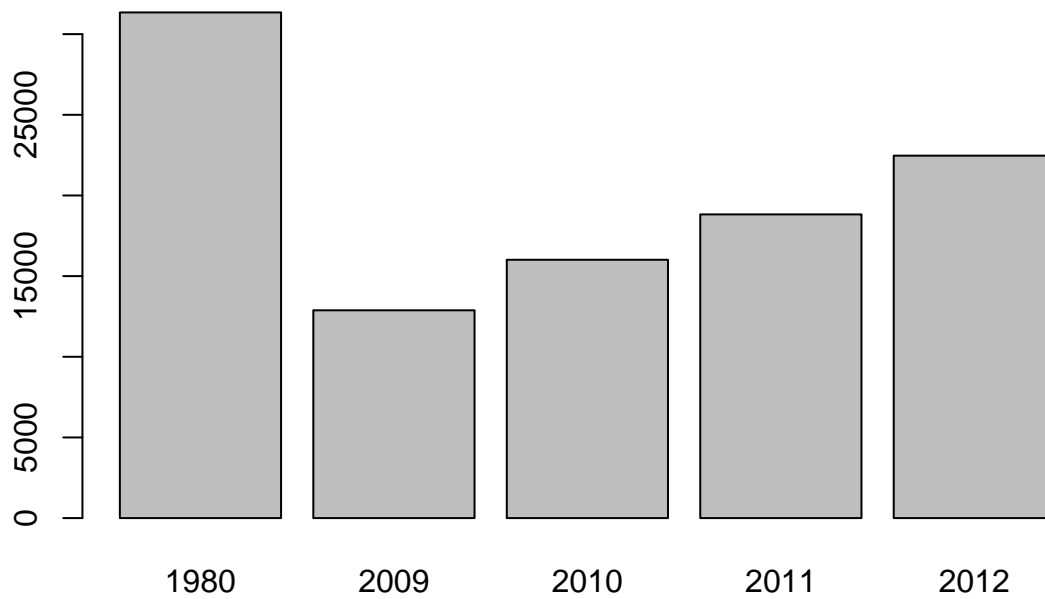


Create year_slsyr

```
df$year_slsyr <- format(1980, format = "%Y")

for (i in 1:nrow(df)) {
  if (df$slstyr[i] > 0) {
    df$year_slsyr[i] <- format(2012, format = "%Y")
  } else if (df$slslyr[i] > 0) {
    df$year_slsyr[i] <- format(2011, format = "%Y")
  } else if (df$sls2ago[i] > 0) {
    df$year_slsyr[i] <- format(2010, format = "%Y")
  } else if (df$sls3ago[i] > 0) {
    df$year_slsyr[i] <- format(2009, format = "%Y")
  }
}

barplot(table(df$year_slsyr))
```



Compare ord and sls

```
table(df$year_ordyr, df$year_slsyr)
```

```
##
##      1980  2009  2010  2011  2012
## 1980 30969    0    0    0    0
## 2009   170 12815    0    0    0
## 2010    64   43 15959    0    0
## 2011    57    7   32 18745    0
## 2012    86   16   23   80 22466
```