Problem Set 1

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# In this R script, we'll plot the number of babies born each
# year in the United States with the name "Joseph"
## Step 1: Load Packages -----
library(tidyverse) # a package with lots of useful functions
## -- Attaching packages ------ 1.3.2 --
## v ggplot2 3.3.6 v purrr 0.3.4
## v tibble 3.1.8 v dplyr 1.0.9
## v tidyr 1.2.0 v stringr 1.4.0
## v readr 2.1.2 v forcats 0.5.1
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()
library(babynames) # a package with the baby names data from US Census
## Step 2: Clean Up The Data -----
# here's what the dataset looks like
head(babynames)
## # A tibble: 6 x 5
                        n prop <int> <dbl>
##
    year sex name
   <dbl> <chr> <chr>
## 1 1880 F Mary
                        7065 0.0724
## 2 1880 F Anna
                          2604 0.0267
## 3 1880 F Emma 2003 0.0205
## 4 1880 F Elizabeth 1939 0.0199
## 5 1880 F Minnie 1746 0.0179
## 6 1880 F Margaret 1578 0.0162
# create an object called 'd' with just the male Andrew
d <- babynames |>
 filter(name == 'Andrew',
        sex == 'M')
head(d)
```

```
## # A tibble: 6 x 5

## year sex name n prop

## cdbl> cchr> cchr> cint> cdbl>

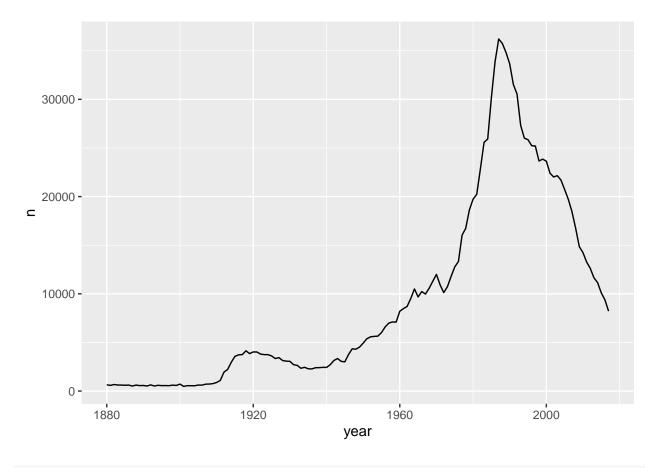
## 1 1880 M Andrew 644 0.00544

## 2 1881 M Andrew 673 0.00551

## 4 1883 M Andrew 623 0.00554

## 5 1884 M Andrew 616 0.00502

## 6 1885 M Andrew 599 0.00517
```



we'll learn how to make this prettier in the coming weeks :-)