

In-class Assignment 3

Christopher Hainzl

```
library(dplyr)
library(dslabs)
library(lubridate)
```

Question 1

How do I make the following strings dates?

```
dates <- c("09-03-12", "12-4-9", "0610, 03", "Made on 27 6 1920")
newdates <- dmy(dates)
newdates
```

```
## [1] "2012-03-09" "2009-04-12" "2003-10-06" "1920-06-27"
```

Question 2

Create a data frame with columns `clean_dates`, `month`, `day` and `year`.

```
df1 <- data.frame(clean_dates = newdates, month = month(newdates), day = day(newdates),
                  year = year(newdates))
df1
```

```
##   clean_dates month day year
## 1  2012-03-09     3   9 2012
## 2  2009-04-12     4  12 2009
## 3  2003-10-06    10   6 2003
## 4  1920-06-27     6  27 1920
```

Question 3

Join the data frame you just created with the one below using `full_join`. Are there any missing values?

```
df2 <- data.frame(year = c(2003, 2009, 2012, 2016),
                  age = c(17, 23, 26, 30))
full_join(df1, df2)
```

```
##   clean_dates month day year age
## 1  2012-03-09     3   9 2012  26
## 2  2009-04-12     4  12 2009  23
## 3  2003-10-06    10   6 2003  17
## 4  1920-06-27     6  27 1920  NA
## 5          <NA>    NA  NA 2016  30
```

Yes, there are some missing values.