Classwork Datetime 1

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library(tidyverse)

## ── Attaching packages ─────────────────────────────────────── tidyverse 1.3.1 ──

## ✓ ggplot2 3.3.5 ✓ purrr 0.3.4  
## ✓ tibble 3.1.4 ✓ dplyr 1.0.7  
## ✓ tidyr 1.1.3 ✓ stringr 1.4.0  
## ✓ readr 2.0.1 ✓ forcats 0.5.1

## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
## x dplyr::filter() masks stats::filter()  
## x dplyr::lag() masks stats::lag()

library(nycflights13)  
library(lubridate)

##   
## Attaching package: 'lubridate'

## The following objects are masked from 'package:base':  
##   
## date, intersect, setdiff, union

library(dplyr)

1. Use and show R code to extract the month from the following datetime designation; datetime2 <- ymd\_hms(“2021-11-13 10:05:31”) datetime2

datetime2 <- ymd\_hms("2021-11-13 10:05:31")  
month(datetime2)

## [1] 11

1. Use and show R code to extract the day of the week from the following datetime designation;

datetime2 <- ymd\_hms("2021-11-13 10:05:31")  
day(datetime2)

## [1] 13

1. Use and show R code to change the month to 8, and the hour to 5 for the following datetime designation datetime2 <- ymd\_hms(“2021-11-13 10:05:31”) datetime2

datetime2 <- ymd\_hms("2021-11-13 10:05:31")  
update(datetime2, month = 8, hour = 5)

## [1] "2021-08-13 05:05:31 UTC"

1. Use and show R code to change 6 hours to seconds.

dhours(6)

## [1] "21600s (~6 hours)"

1. Use and show R code to change 4 days to seconds.

ddays(4)

## [1] "345600s (~4 days)"

1. Use and show R code to add 7years to 30 days.

years(7) + days(30)

## [1] "7y 0m 30d 0H 0M 0S"

7 Use and show R code to determine how many weeks there are from today’s date to a year from now.

next\_year <- today() + years(1)  
(today() %--% next\_year)%/%dweeks(1)

## [1] 52

1. Use and show R code to determine how many days there are between today’s date and June 28, 2022.

(today() %--% mdy("06-28-2022"))%/%ddays(1)

## [1] 167