DS 413/613 Classwork /Lab Dates and Times

Instructions: Produce and submit an Rmarkdown file and a Word file the shows all required code and output.

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**

2) 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")**

**datetime2**

3) 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**

4) Use and show R code to change 6 hours to seconds.

5) Use and show R code to change 4 days to seconds.

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

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

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