## Mappeoppg 4 RMD

## Sebastian Furuhaug Kolstad

Loading packages

Gathering URLs and putting them in a list, then naming them appropriately.

Creating a function for scraping web pages to make a table showing my schedule.

```
schedule <- function(url) {
  page <- read_html(url)
  table <- html_nodes(page, 'table')
  table <- html_table(table, fill=TRUE)
  dframe <- list.stack(table)
  colnames(dframe) <- dframe[1,]
  dframe <- dframe %>% filter(!Dato=="Dato")
  dframe <- dframe %>% separate(Dato,
```

Using the function to show the schedule for each of my classes.

```
map(url_list, schedule)
## Column 1 ['Uke 3'] of item 2 is missing in item 1. Use fill=TRUE to fill with NA (NULL for list colu
## Column 1 ['Uke 4'] of item 2 is missing in item 1. Use fill=TRUE to fill with NA (NULL for list colu
## Warning: Expected 2 pieces. Missing pieces filled with 'NA' in 5 rows [7, 13,
## 19, 20, 29].
## Column 1 ['Uke 3'] of item 2 is missing in item 1. Use fill=TRUE to fill with NA (NULL for list colu
## Warning: Expected 2 pieces. Missing pieces filled with 'NA' in 2 rows [31, 34].
## $'SOK-1005'
##
                   Dato Uke
                                     Tid
## 1
     Torsdag 2022-01-13 02 14:15-16:00 VIRTUELT _Digital undervisning
     Torsdag 2022-01-20 03 14:15-16:00 VIRTUELT _Digital undervisning
     Torsdag 2022-01-27 04 14:15-16:00 VIRTUELT _Digital undervisning
## 3
## 4 Torsdag 2022-02-03 05 14:15-16:00
                                                          HHT 01.202AUD
## 5 Torsdag 2022-02-10 06 14:15-16:00
                                                         HHT 01.202AUD
## 6 Torsdag 2022-02-17 07 14:15-16:00
                                                         HHT 01.202AUD
     Torsdag 2022-02-24 08 14:15-16:00
## 7
                                                         HHT 01.202AUD
     Torsdag 2022-03-03 09 14:15-16:00
                                                         HHT 01.202AUD
## 9 Torsdag 2022-03-10 10 14:15-16:00
                                                         HHT 01.202AUD
## 10 Torsdag 2022-03-17 11 14:15-16:00
                                                         HHT 01.202AUD
## 11 Torsdag 2022-03-24 12 14:15-16:00
                                                         HHT 01.202AUD
## 12 Torsdag 2022-03-31 13 14:15-16:00
                                                         HHT 01.202AUD
## 13 Torsdag 2022-04-07 14 14:15-16:00
                                                         HHT 01.202AUD
## 14 Torsdag 2022-04-21 16 14:15-16:00
                                                         HHT 01.202AUD
## 15 Torsdag 2022-04-28 17 14:15-16:00
                                                         HHT 01.202AUD
## 16 Torsdag 2022-05-05 18 14:15-16:00
                                                         HHT 01.202AUD
##
## $'SOK-1006'
##
         Dag
                   Dato Uke
                                     Tid
    Tirsdag 2022-01-18
                          03 12:15-13:00
                                                           HHT 01.202AUD
## 1
                           03 12:15-16:00 VIRTUELT _Digital undervisning
      Onsdag 2022-01-19
                           03 09:15-14:00 VIRTUELT _Digital undervisning
## 3
     Torsdag 2022-01-20
## 4 Tirsdag 2022-01-25
                                                  HARSTAD_HG5 AUD_GRØNT
                          04 14:15-17:00
                                                              MH U6.SAUD
## 5
      Onsdag 2022-02-16
                          07 12:15-16:00
## 6 Torsdag 2022-02-17
                           07 08:15-10:00
                                                       TEO-H6 6.303-AUD3
```

```
## 7
                    <NA> <NA> 12:15-14:00
                                                       TEO-H6 6.303-AUD3
## 8
    Torsdag 2022-02-24
                           08 11:15-14:00
                                                       TEO-H1 1.820-AUD1
       Mandag 2022-02-28
                           09 10:15-12:00
                                                              HHT 02.217
                                                               HHT 02.217
## 10 Onsdag 2022-03-02
                           09 10:15-12:00
## 11
      Mandag 2022-03-14
                           11 10:15-12:00
                                                               HHT 02.217
## 12
       Onsdag 2022-03-16
                                                               HHT 02.217
                           11 10:15-12:00
                                                       TEO-H6 6.303-AUD3
                    <NA> <NA> 12:15-16:00
## 14
       Mandag 2022-03-21
                           12 10:15-12:00
                                                               HHT 02.217
       Onsdag 2022-03-23
## 15
                           12 10:15-12:00
                                                               HHT 02.217
## 16
      Mandag 2022-03-28
                           13 10:15-12:00
                                                               HHT 02.217
## 17 Tirsdag 2022-03-29
                           13 16:00-18:00
                                                       TEO-H6 6.303-AUD3
## 18
       Onsdag 2022-03-30
                                                              FARM F1.101
                           13 09:15-11:00
## 19
                    <NA> <NA> 10:15-12:00
                                                              HHT 02.217
## 20
                    <NA> <NA> 12:15-14:00
                                                              FARM F1.101
## 21
       Mandag 2022-04-04
                           14 10:15-12:00
                                                              HHT 02.217
## 22
       Onsdag 2022-04-06
                           14 10:15-12:00
                                                               HHT 02.217
                                                       TEO-H1 1.820-AUD1
## 23 Torsdag 2022-04-07
                           14 11:15-14:00
## 24 Tirsdag 2022-04-19
                           16 12:15-14:00
                                                              HHT 02.217
      Onsdag 2022-04-20
                           16 10:15-12:00
                                                              HHT 02.217
## 25
## 26
      Fredag 2022-04-22
                           16 09:15-12:00
                                                       TEO-H1 1.836-AUD2
      Mandag 2022-04-25
## 27
                           17 10:15-12:00
                                                               HHT 02.217
## 28
       Onsdag 2022-04-27
                           17 10:15-12:00
                                                               HHT 02.217
                    <NA> <NA> 12:15-16:00
## 29
                                                       TEO-H1 1.836-AUD2
## 30 Torsdag 2022-04-28
                           17 09:15-14:00
                                                       TEO-H1 1.820-AUD1
     Mandag 2022-05-02
                           18 10:15-12:00
                                                              HHT 02.217
## 32 Onsdag 2022-05-04
                           18 10:15-12:00
                                                              HHT 02.217
## 33 Mandag 2022-05-09
                           19 10:15-12:00
                                                              HHT 02.217
       Onsdag 2022-05-11
                                                              HHT 02.217
                           19 10:15-12:00
## 35
      Mandag 2022-05-16
                           20 10:15-12:00
                                                              HHT 02.217
## $'SOK-1016'
##
          Dag
                    Dato
                          Uke
                                      Tid
                                                                      R.om
                           02 14:15-16:00 VIRTUELT _Digital undervisning
## 1
       Onsdag 2022-01-12
     Tirsdag 2022-01-18
                           03 10:15-12:00 VIRTUELT _Digital undervisning
                           04 12:15-14:00 VIRTUELT _Digital undervisning
## 3
     Torsdag 2022-01-27
                           06 12:15-14:00
## 4
      Fredag 2022-02-11
                                                       TEO-H1 1.836-AUD2
## 5
    Tirsdag 2022-02-15
                           07 12:15-14:00
                                                       TEO-H1 1.836-AUD2
## 6
      Fredag 2022-02-25
                           08 12:15-14:00
                                                       TEO-H1 1.836-AUD2
## 7
      Mandag 2022-02-28
                           09 12:15-14:00
                                                       TEO-H1 1.836-AUD2
## 8 Tirsdag 2022-03-01
                           09 12:15-14:00
                                                               HHT 02.218
       Onsdag 2022-03-02
                           09 14:15-16:00
                                                              HHT 02.218
## 10 Tirsdag 2022-03-15
                           11 10:15-12:00
                                                       TEO-H1 1.836-AUD2
## 11 Onsdag 2022-03-16
                           11 14:15-16:00
                                                               HHT 02.218
## 12 Fredag 2022-03-18
                           11 12:15-14:00
                                                               HHT 02.218
                                                        TEO-H1 1.836-AUD2
## 13 Tirsdag 2022-03-22
                           12 10:15-12:00
                                                               HHT 02.218
## 14
       Onsdag 2022-03-23
                           12 14:15-16:00
## 15
       Fredag 2022-03-25
                           12 10:15-12:00
                                                               HHT 02.218
## 16
       Onsdag 2022-03-30
                           13 14:15-16:00
                                                               HHT 02.218
      Fredag 2022-04-01
                           13 12:15-14:00
                                                               HHT 02.218
## 18 Tirsdag 2022-04-05
                           14 12:15-14:00
                                                       TEO-H1 1.836-AUD2
## 19
       Onsdag 2022-04-06
                                                               HHT 02.218
                           14 14:15-16:00
## 20 Fredag 2022-04-08
                           14 12:15-14:00
                                                              HHT 02.218
                           16 10:15-12:00
## 21 Tirsdag 2022-04-19
                                                       TEO-H1 1.836-AUD2
## 22 Onsdag 2022-04-20
                           16 14:15-16:00
                                                               HHT 02.218
```

##	23	Torsdag	2022-04-21	16	12:15-14:00		HHT 02.218
##	24	Tirsdag	2022-04-26	17	10:15-12:00	TEO-H1	1.836-AUD2
##	25	Onsdag	2022-04-27	17	14:15-16:00		HHT 02.218
##	26	Torsdag	2022-04-28	17	12:15-14:00		HHT 02.218
##	27	Tirsdag	2022-05-03	18	10:15-12:00	TEO-H1	1.836-AUD2
##	28	Onsdag	2022-05-04	18	14:15-16:00		HHT 02.218
##	29	Torsdag	2022-05-05	18	12:15-14:00		HHT 02.218
##	30	Onsdag	2022-05-11	19	08:15-10:00	TEO-H1	1.836-AUD2
##	31		<na></na>	<na></na>	14:15-16:00		HHT 02.218
##	32	Torsdag	2022-05-12	19	12:15-14:00		HHT 02.218
##	33	Onsdag	2022-05-18	20	08:15-10:00	TEO-H1	1.836-AUD2
##	34		<na></na>	<na></na>	14:15-16:00		HHT 02.218