





Figure 2 The latest and greatest new normal. Showing all of the scheduling issues and truly how busy I have been.

you can see, it is a lot, working on homework rarely happened throughout the week, and I would continue to try and cram stuff in during the week with hopes that I have had it finished. Most weeks do look like this, or on Friday, Saturday, and Sunday, I would put in 12-hour days just so I could make a little extra money. Because it is about a year now with me working at the restaurant, they allow me to host, bus, work takeout, or even serve. At this point, I

can cover a lot of bases, and they have gotten to a point now where I would put in somewhere between 30-45 hours on a normal week.

Looking back, between 2020, and 2021, 2020 seemed to be easy in comparison to spring 2021, but at this point, classes are either slowing down, or going hard for the remainder of the semester.

```

251 Note that the `echo = FALSE` parameter was added to the code chunk to
252 prevent printing of the R code that generated the plot.
253 Dew.estrfs.soilm <- lm(formula = n2o ~ Dew + Etrf_s + soilM, data =
alln2o)
254 summary(Dew.estrfs.soilm)
255
256 newn2o4 <- subset(alln2o, is.na(Etrf_s)==F & is.na(Dew)==F &
is.na(soilM)==F)
257 newn2o4$predn2odew.estrfs.soilm <- predict(Dew.estrfs.soilm, newn2o4)
258 head(newn2o4)
259
260 rsq(newn2o4$n2o, newn2o4$predn2odew.estrfs.soilm)
261
262 summary(lm(newn2o4$n2o ~
newn2o4$predn2odew.estrfs.soilm, data=newn2o4))$r.squared
263
264 ggplot((data = newn2o4) +
265   geom_point(mapping = aes(x=n2o, y=predn2odew.estrfs.soilm)) +
266   geom_smooth(mapping = aes(x =n2o, y=predn2odew.estrfs.soilm), method
=="lm")+
267   ggtitle("Measured N2O VS. Dew and Etrf_s and SoilM"))
268
Error: unexpected ')' in "Dew.estrfs.soilm <- lm(formula = n2o ~ Dew +
264:9 Chunk 16
R Markdown

```

```

~/Desktop/Quantitative Reasoning/Fish Lab/
> # n2odata <- read.csv("~/Desktop/SUPER 2.0/n2odata.csv", stringsAsFactors = F,
header = T)
>
> n2odata <- read.csv("~/Desktop/SUPER 2.0/n2odata.csv", stringsAsFactors = F, he
ader = T)
>
> # str(n2odata) # will tell you the character type of a column (numeric, charact
er, factor, Date)
> # you may need to change the type of a column, like below.
> n2odata$date <- as.Date(n2odata$date, format = "%m/%d/%Y")
>
> Dew.estrfs.soilm <- lm(formula = n2o ~ Dew + Etrf_s + soilM, data = alln2o)
Error: unexpected ')' in "Dew.estrfs.soilm <- lm(formula = n2o ~ Dew + Etrf_s +
soilM, data = alln2o)"
> Dew.estrfs.soilm <- lm(formula = n2o ~ Dew + Etrf_s + soilM, data = alln2o)
Error: unexpected ')' in "Dew.estrfs.soilm <- lm(formula = n2o ~ Dew + Etrf_s +
soilM, data = alln2o)"

```

Figure 3 The dreaded R codes, showing some of the error messages, and how it may spit out a response

finally slowing down quite a bit, which is such a relief, due to the many hours of extra work it took, learning a new coding language (R). For the people who are not familiar with the SUPER program, it is a program where you would work closely with a mentor, and they will help guide you through some studies, research papers, and a research poster. It was a lot of fun, but it takes a lot more time than I was allowing, and it caused many restless nights having nightmares about forgetting all the little bits of code that I have learned, or the missing comma, quotation mark, or parenthesis that cannot be found throughout the code.

Granted, there are some areas that get marked to see certain punctuation that may have been missed, but one missed typo, or an accidental double click may skew the data, or make the code useless. But it is something that is very useful in life moving forward, or even working at the restaurant, teamwork makes the dreamwork, and making sure there are enough hours in the day to allow to make mistakes and attempt to fix them.