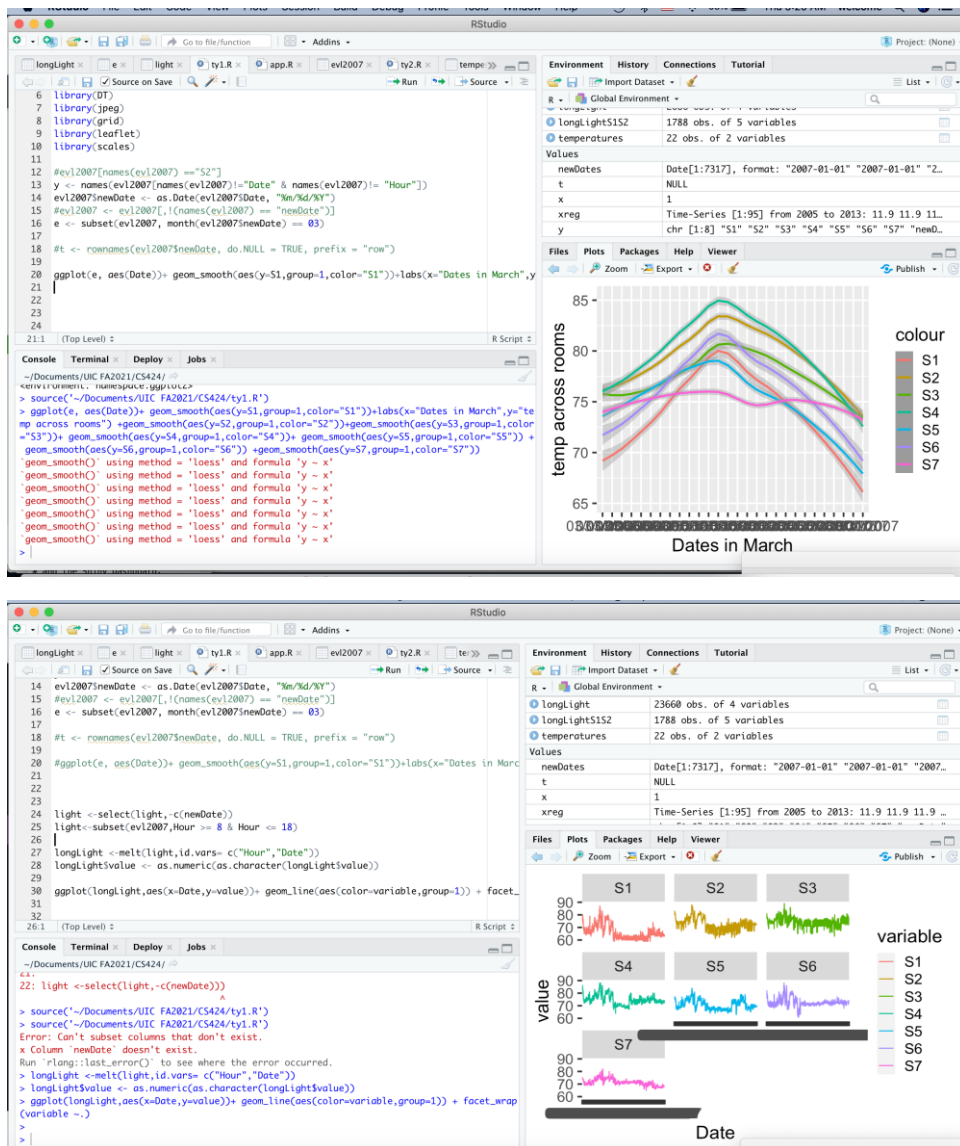


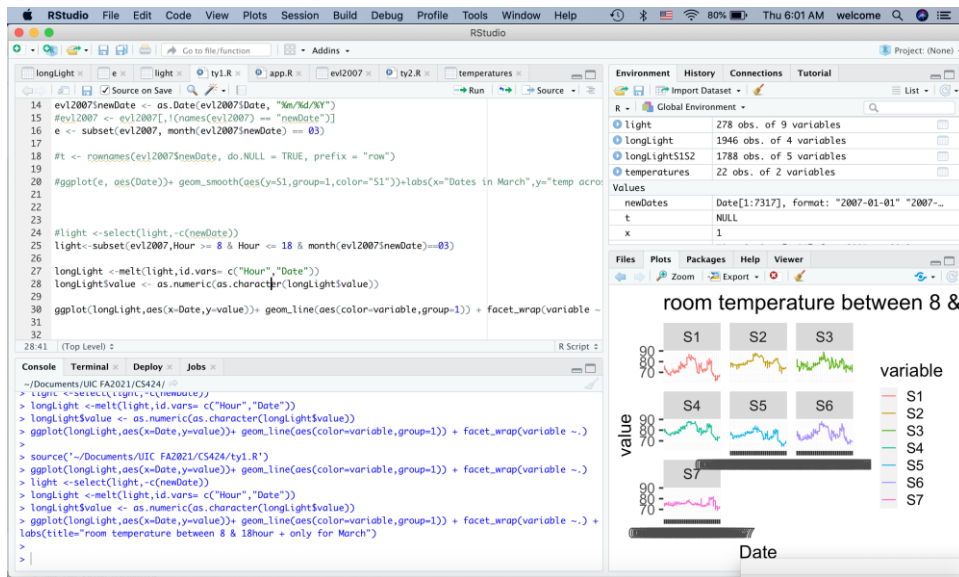
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HW2.1)



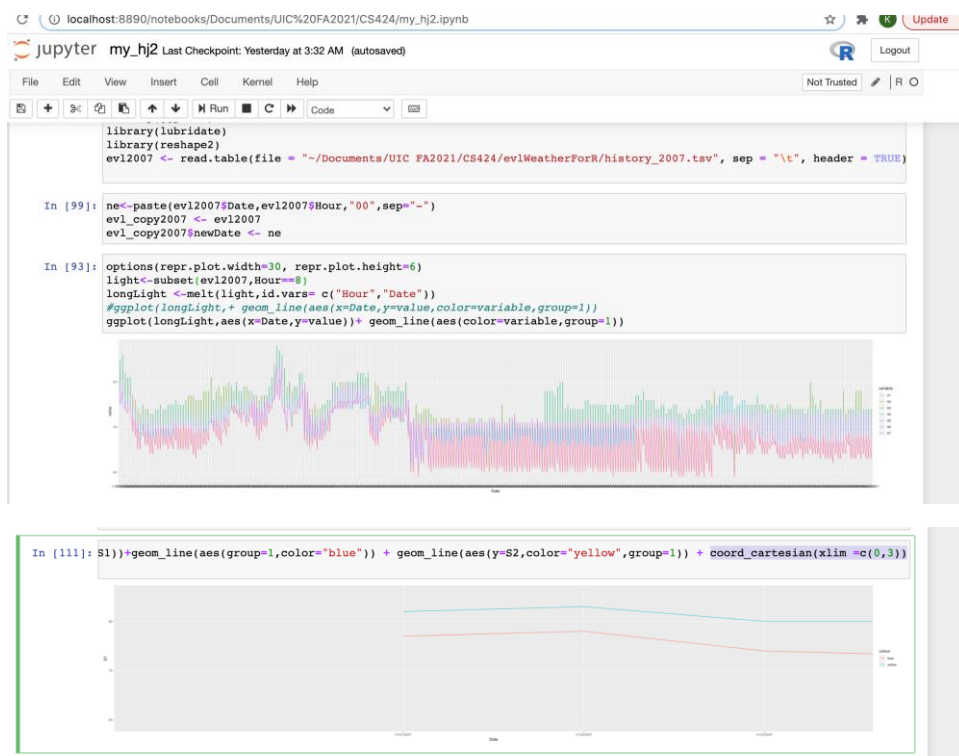
Using melt(), but seem the line condense because longLight\$Date is across all month

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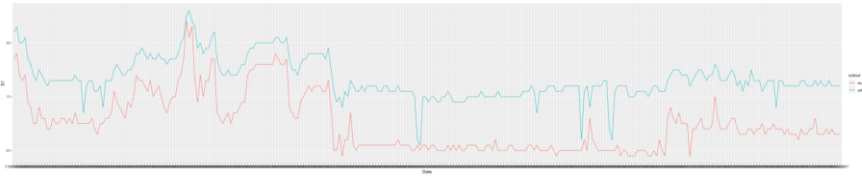
Room temperature between 8 & 18, but only for March

HW2.2)



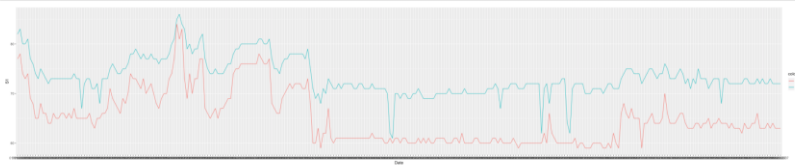
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664675667

```
j: ggplot(light,aes(x=Date,y=S1))+geom_line(aes(group=1,color="blue")) + geom_line(aes(y=S2,color="yellow",group=1))
```



BRING coord_cartesian back to normal

```
In [113]: #Plenty way to write compare between value S1 and S2 across date/month/year
#ggplot(light,aes(x=Date,y=S1))+geom_line(aes(group=1,color="blue"))
#ggplot(light,aes(x=Date,y=S1))+geom_line(aes(group=1,color="blue")) + geom_line(aes(y=S2,color="yellow",group=1))
#ggplot(light,aes(x=Date,y=S1,group=1))+geom_line(aes(color="blue")) + geom_line(aes(y=S2,color="yellow",group=1))
```



```
In [110]: #only for march
evl2007_cop <- evl2007
evl2007_cop$newDate <- as.Date(evl2007$Date, "%m/%d/%Y")
subset(evl2007_cop,month(evl2007_cop$newDate) == 3)
#ggplot(evl2007_cop, aes(x=newDate, y=S1, group=1, color="yellow"))+labs(x="Dates in March", y="Temp across run")
```

	Date	Hour	S1	S2	S3	S4	S5	S6	S7	newDate
1280	03/01/2007	0	72	77	79	78	75	75	75	2007-03-01
1281	03/01/2007	1	72	77	78	78	75	75	74	2007-03-01
1282	03/01/2007	2	72	77	78	78	75	75	74	2007-03-01
1283	03/01/2007	3	72	77	78	78	75	74	74	2007-03-01
1284	03/01/2007	4	72	77	78	78	75	74	74	2007-03-01
1285	03/01/2007	5	72	77	78	78	76	74	74	2007-03-01
1286	03/01/2007	6	72	77	78	78	75	74	74	2007-03-01

HW 2.3)

<https://kmach6cs424.shinyapps.io/evlWeatherForR/>