Group 5

CMPT 318 Group Assignment 1:

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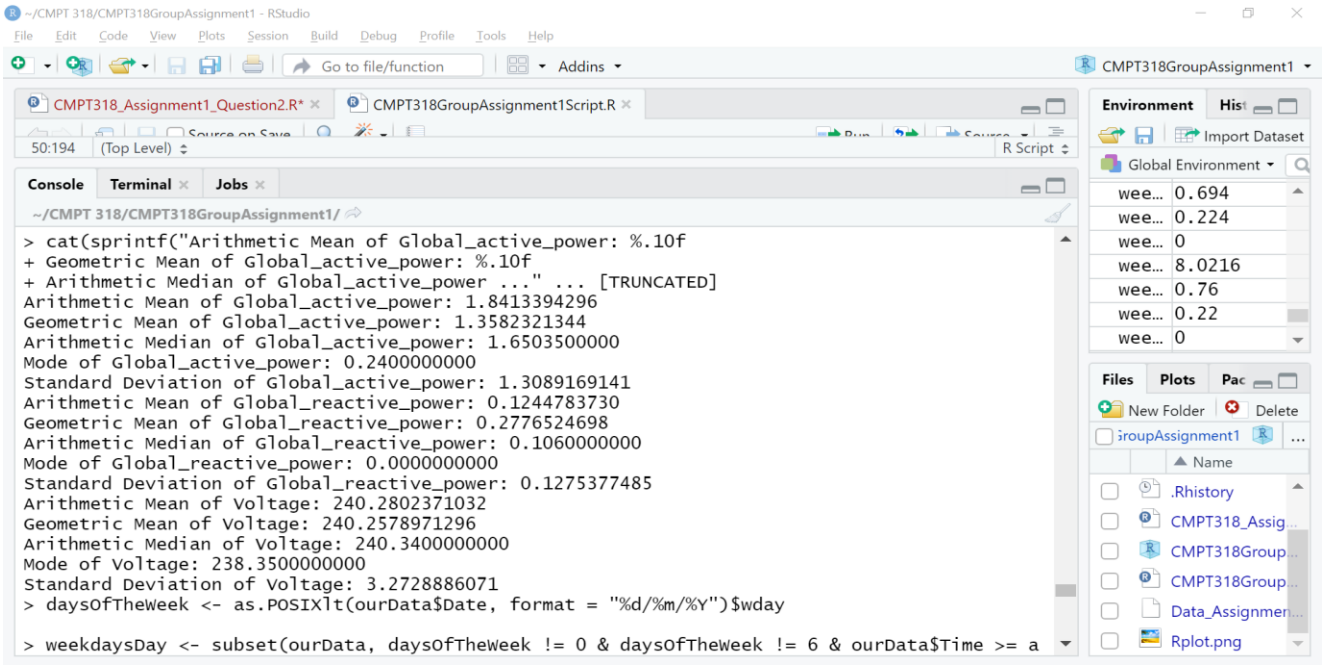
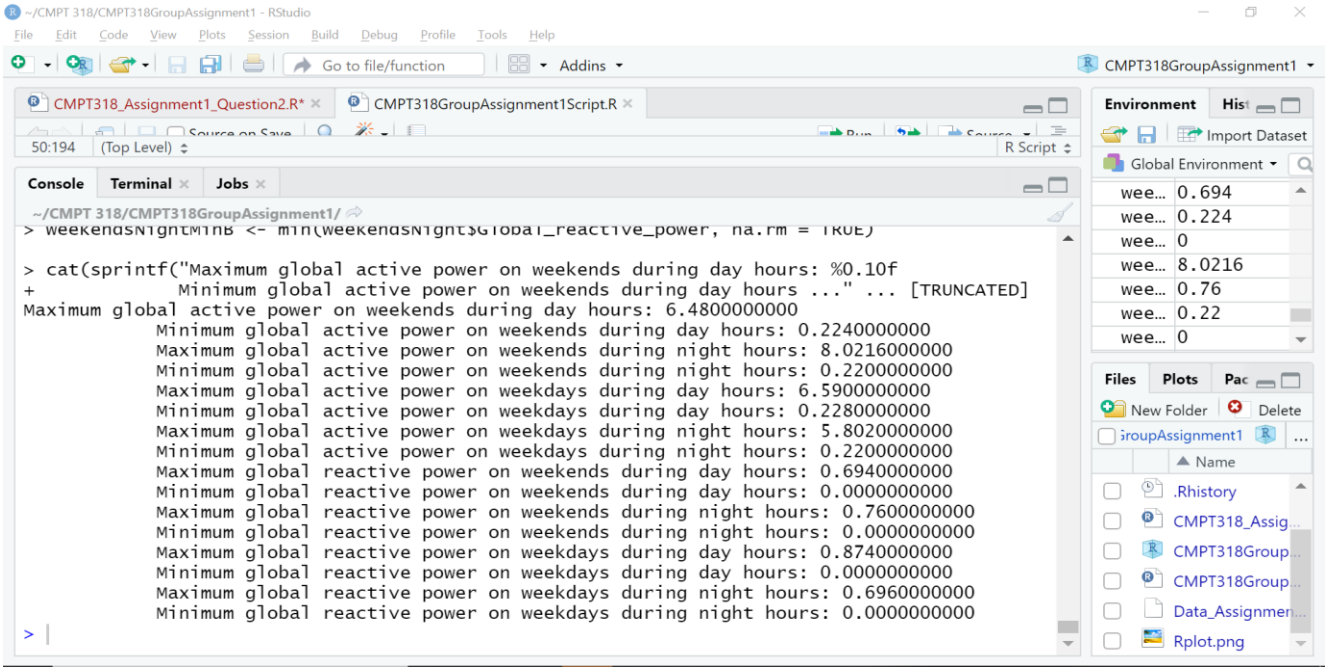
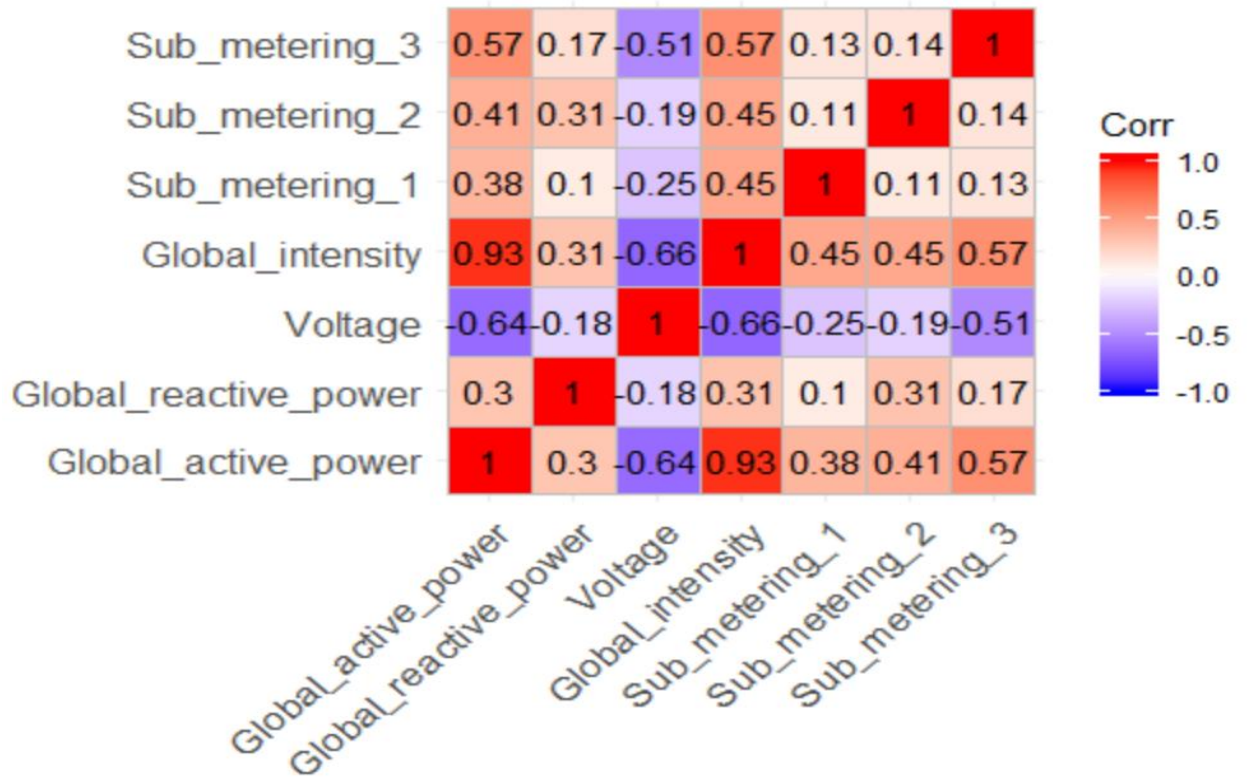
Brandon Ong, bong

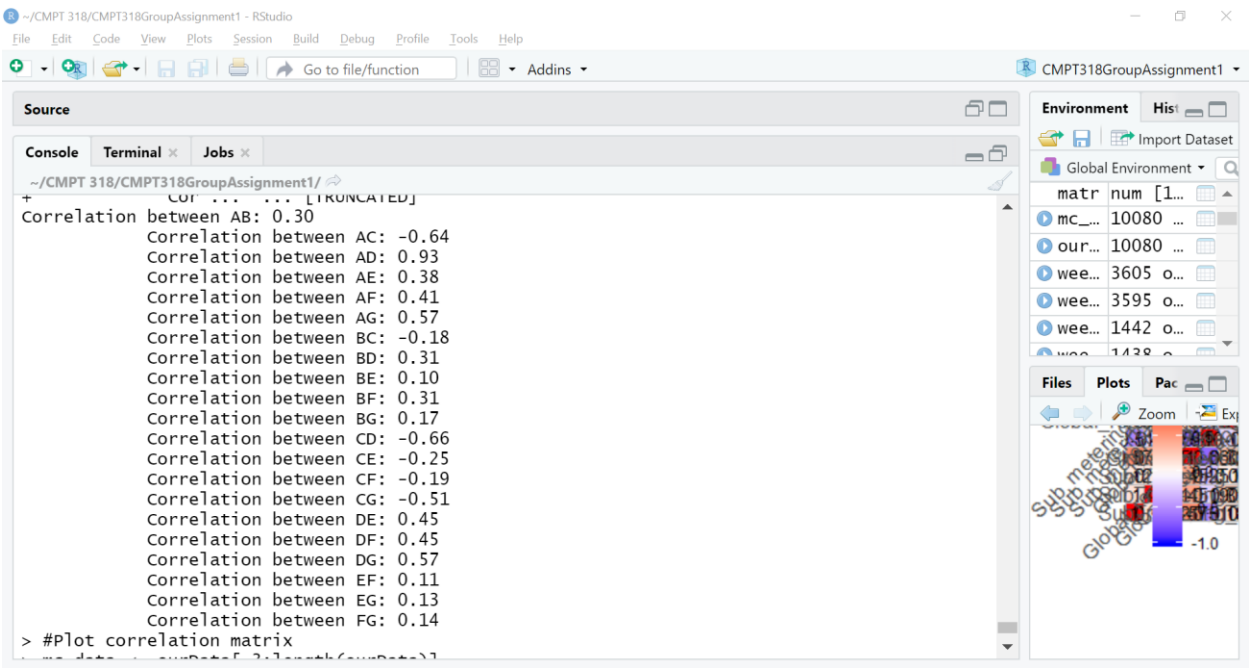
Q1)



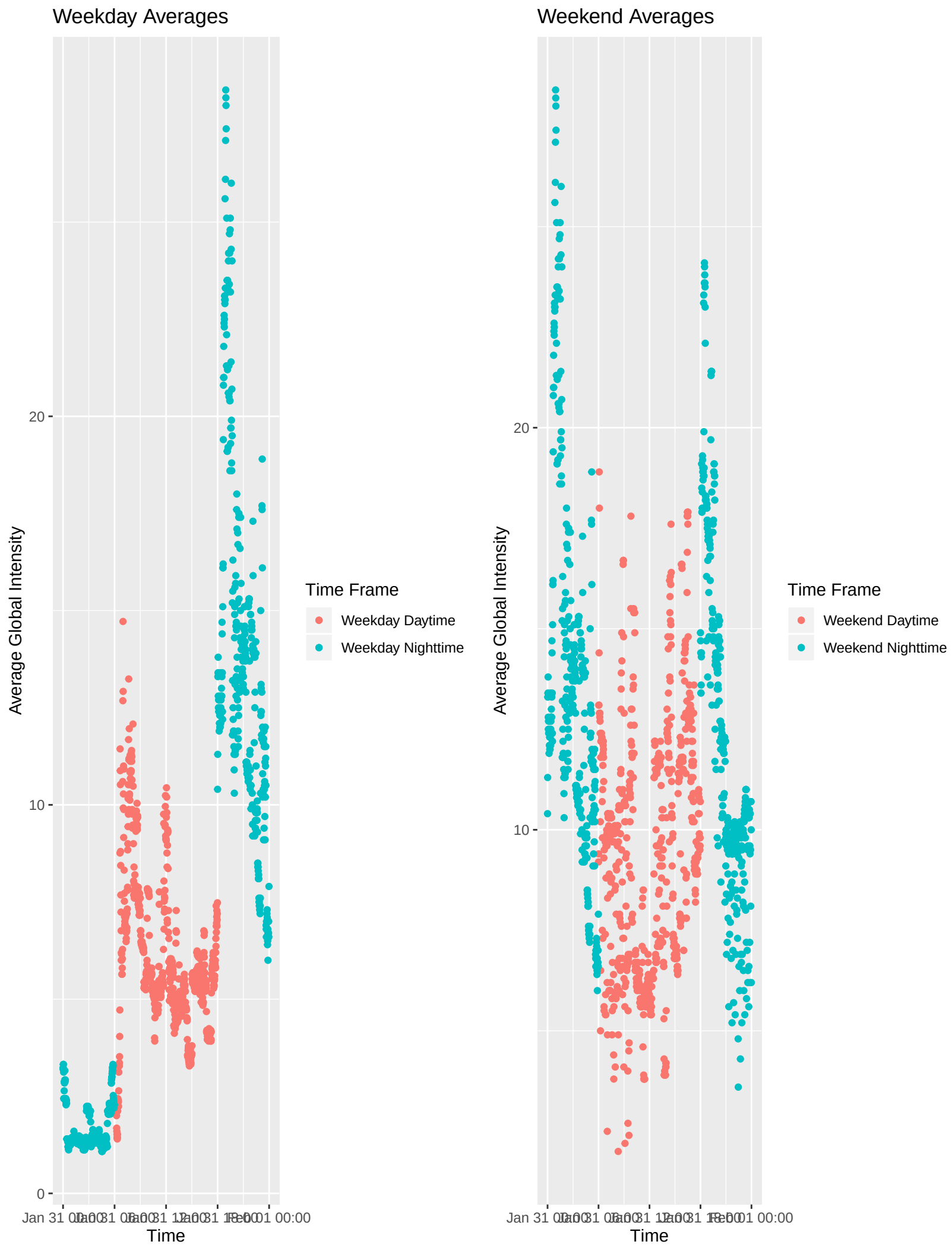


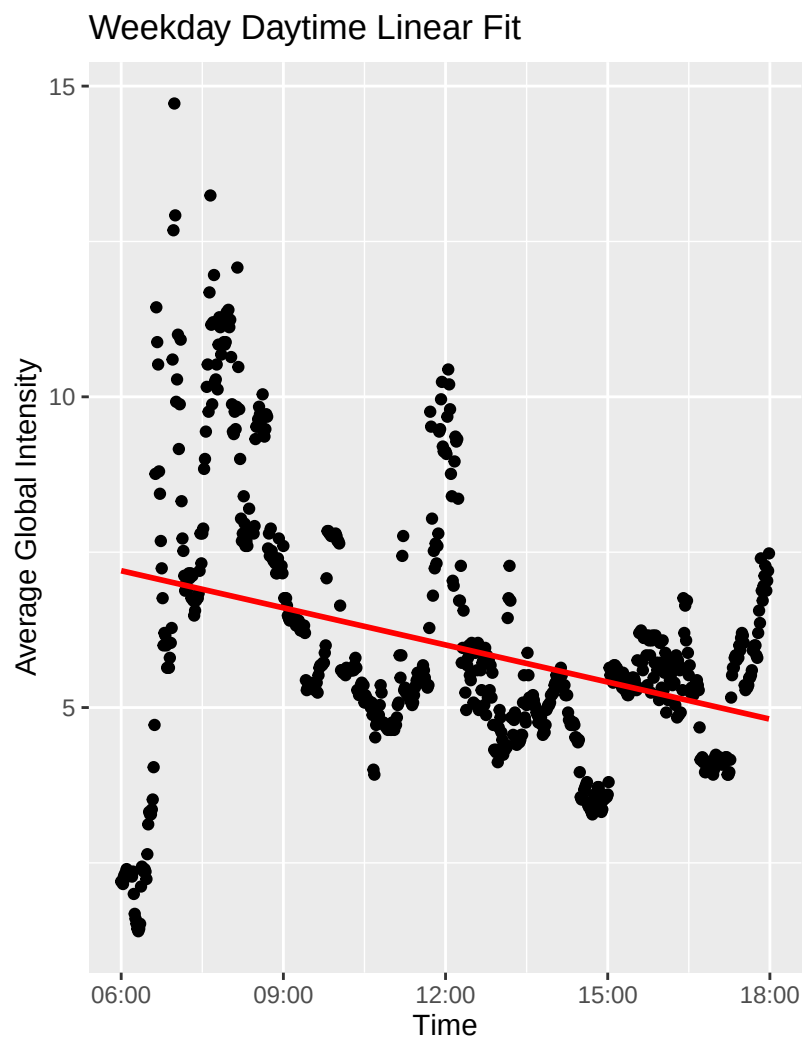
Q2) Using Library “ggcorrplot” to plot correlation matrix





Question 3 plots in next 2 pages (page 3 & 4)


Weekday Averages
Average Global Intensity
20
10
0
Jan 31 00:00
Time
Time Frame
Weekday Daytime
Weekday Nighttime
Weekend Averages
Average Global Intensity
20
10
Jan 31 00:00
Time
Time Frame
Weekend Daytime
Weekend Nighttime


Weekday Daytime Linear Fit
Average Global Intensity
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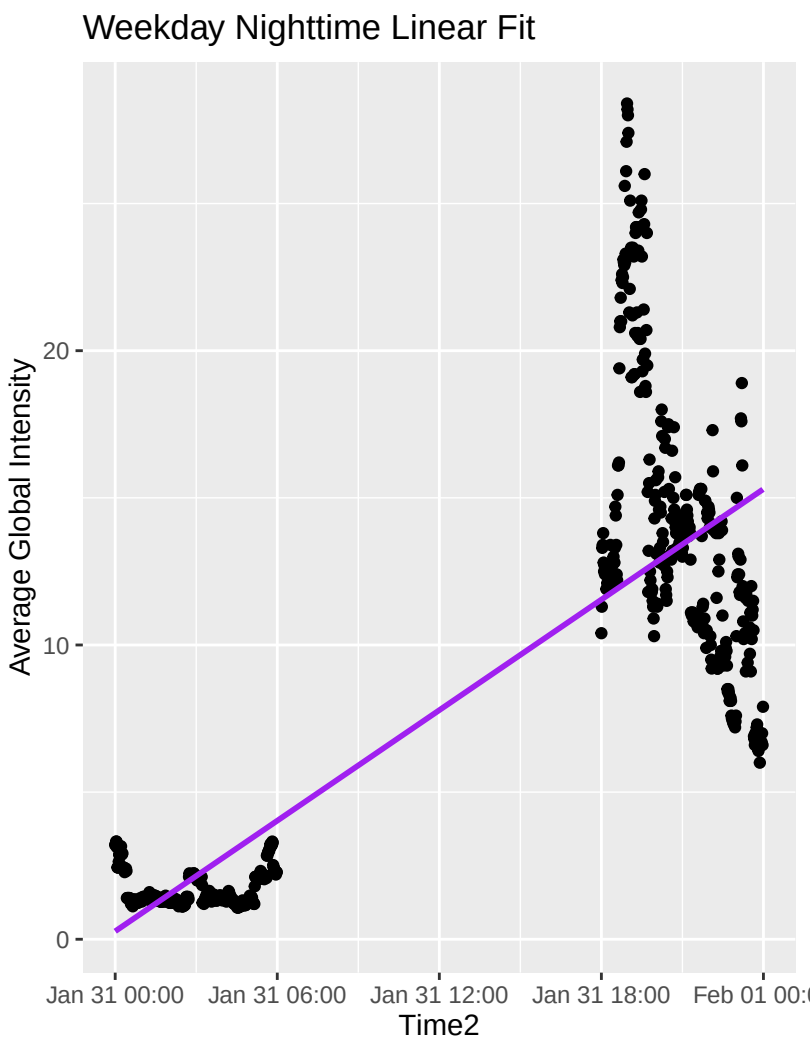
10
5
06:00
09:00
12:00
15:00
18:00
Time


Weekday Nighttime Linear Fit
Average Global Intensity
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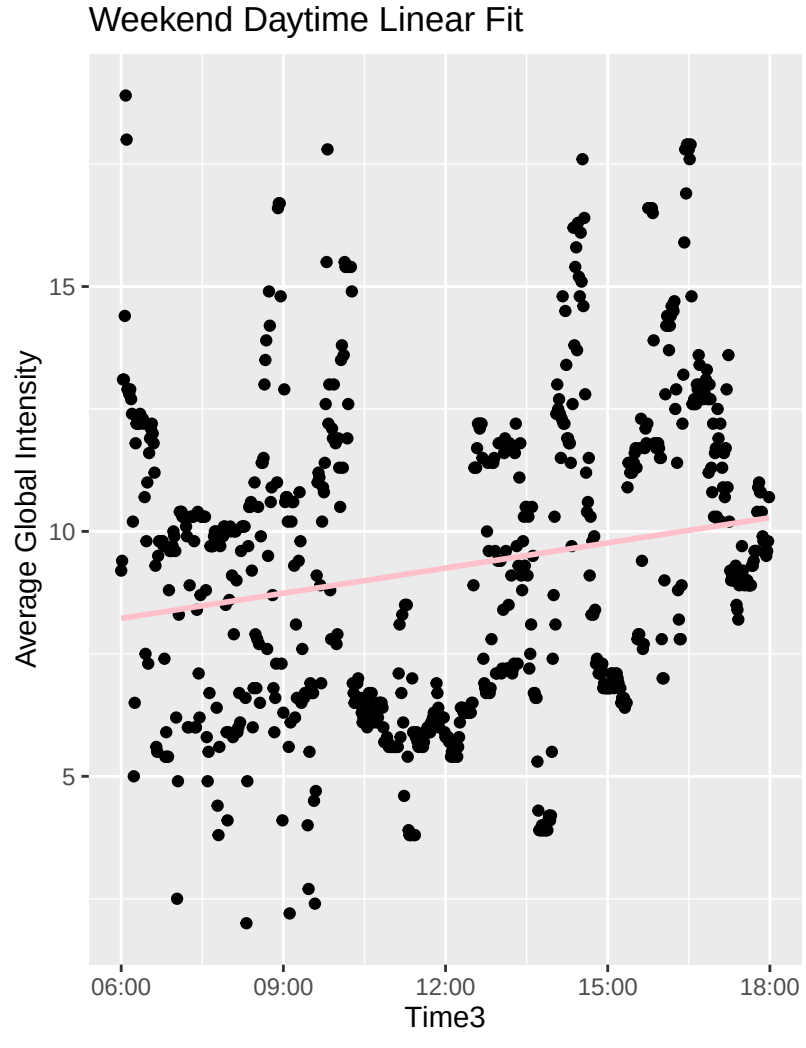
10
0
Jan 31 00:00
Jan 31 06:00
Jan 31 12:00
Jan 31 18:00
Feb 01 00:
Time2


Weekend Daytime Linear Fit
Average Global Intensity
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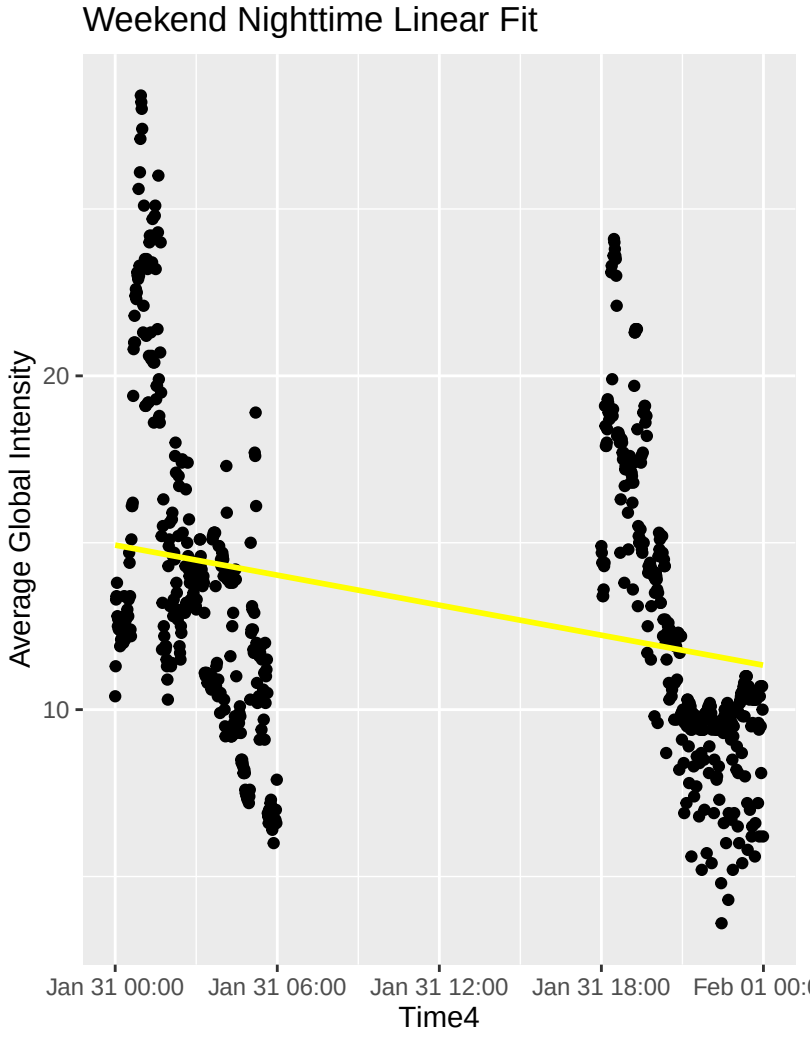
10
5
06:00
09:00
12:00
15:00
18:00
Time3


Weekend Nighttime Linear Fit
Average Global Intensity
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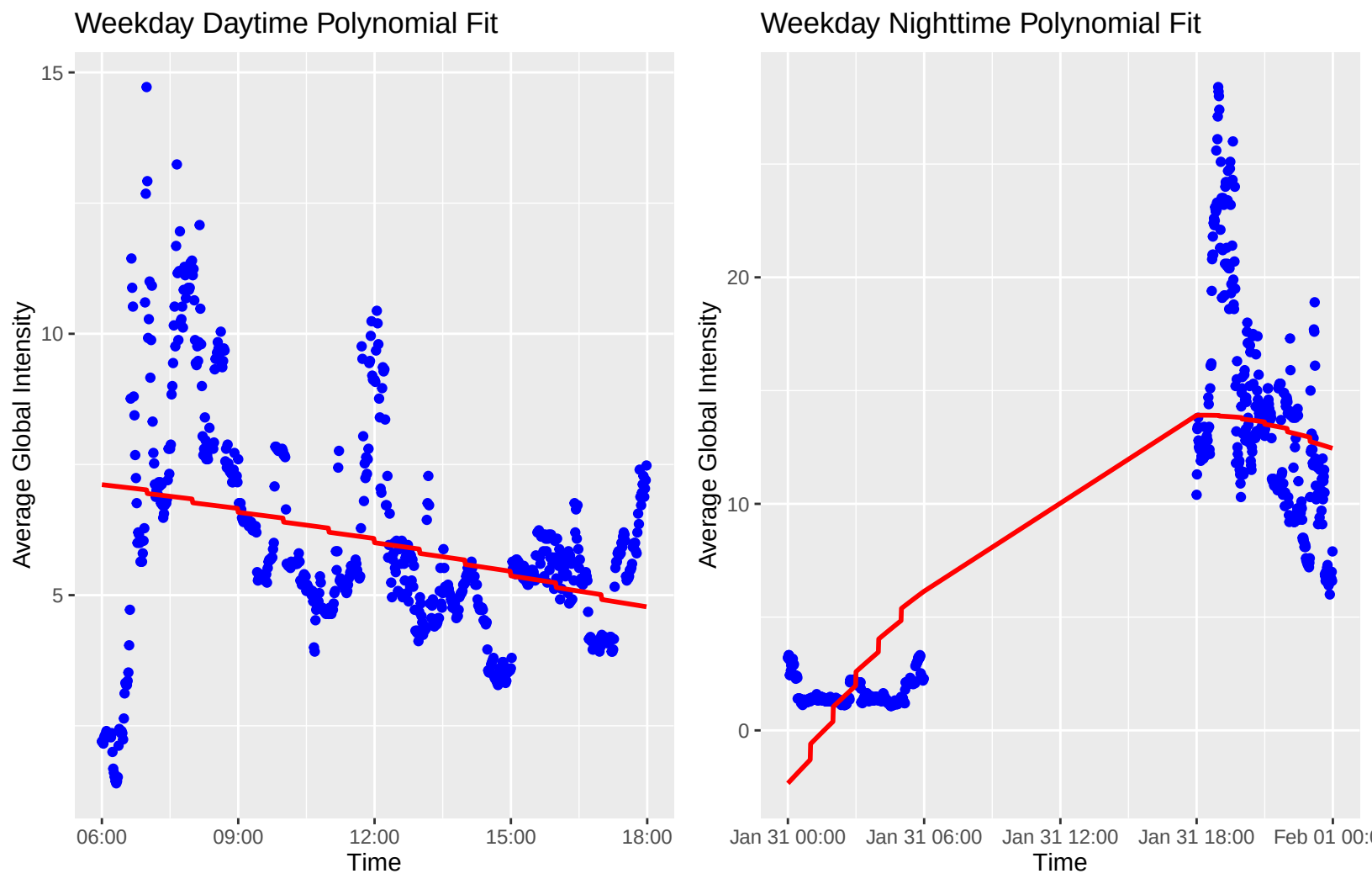
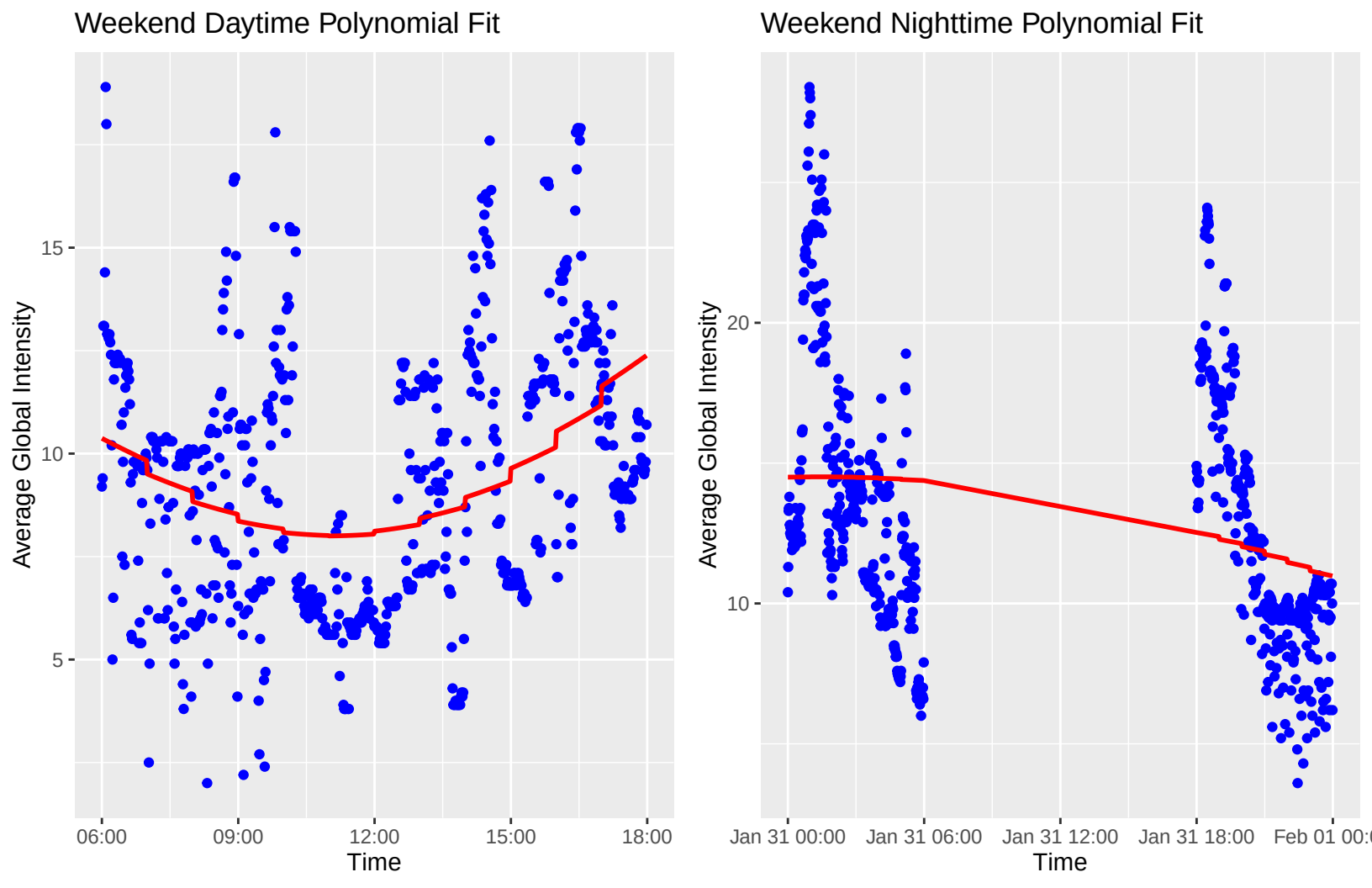
10
Jan 31 00:00
Jan 31 06:00
Jan 31 12:00
Jan 31 18:00
Feb 01 00:
Time4


Weekday Daytime Polynomial Fit
Average Global Intensity
15
10
5
06:00
09:00
12:00
15:00
18:00
Time

Weekday Nighttime Polynomial Fit
Average Global Intensity
20
10
0
Jan 31 00:00
Jan 31 06:00
Jan 31 12:00
Jan 31 18:00
Feb 01 00:
Time


Weekend Daytime Polynomial Fit
Average Global Intensity
15
10
5
06:00
09:00
12:00
15:00
18:00
Time

Weekend Nighttime Polynomial Fit
Average Global Intensity
20
10
Jan 31 00:00
Jan 31 06:00
Jan 31 12:00
Jan 31 18:00
Feb 01 00:
Time