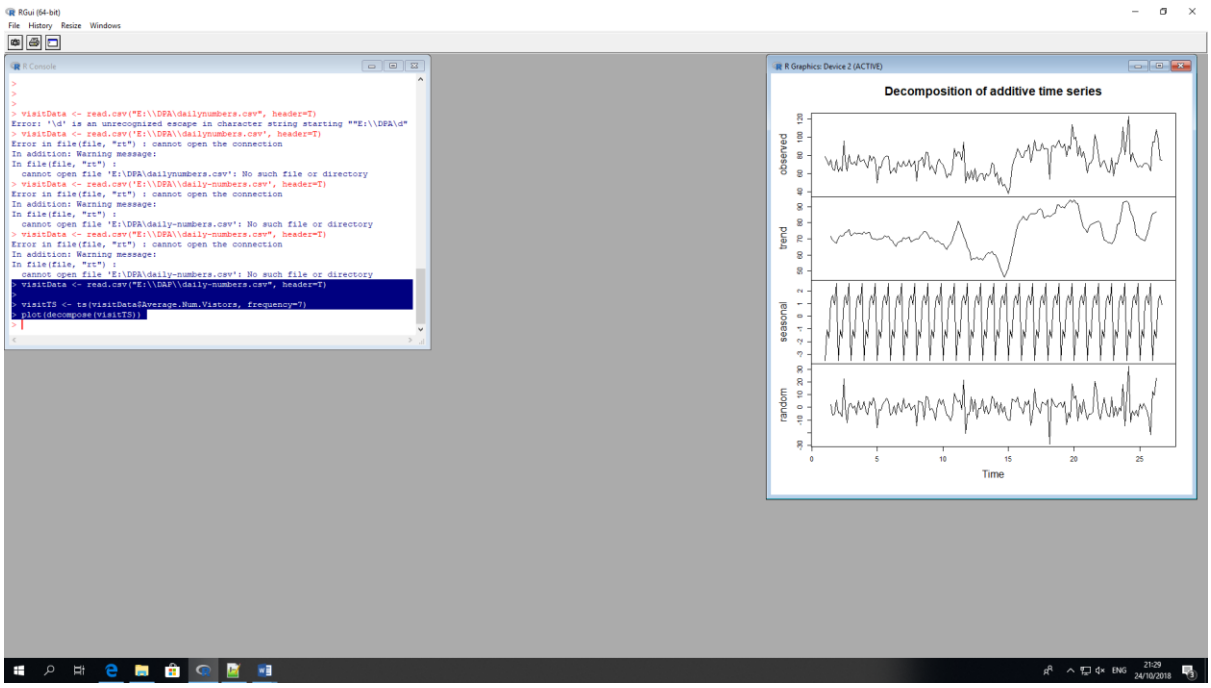
> visitData <- read.csv("E:\\DAP\\daily-numbers.csv", header=T)

>

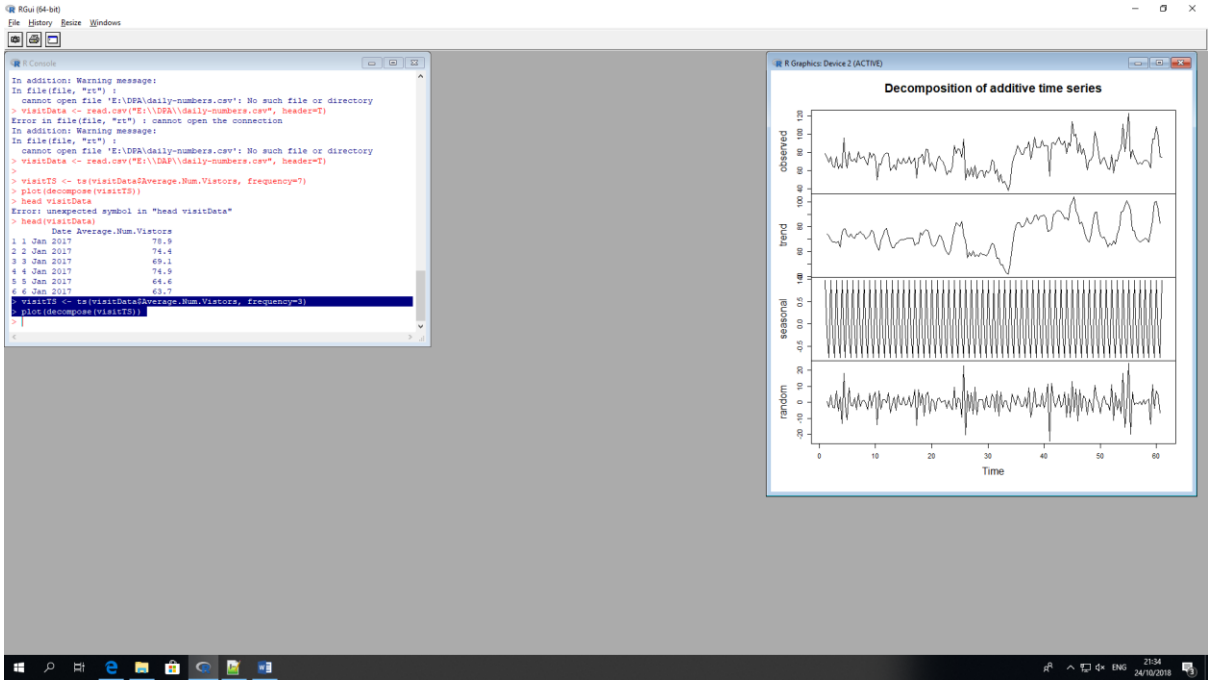
> visitTS <- ts(visitData$Average.Num.Vistors, frequency=7)

> plot(decompose(visitTS))

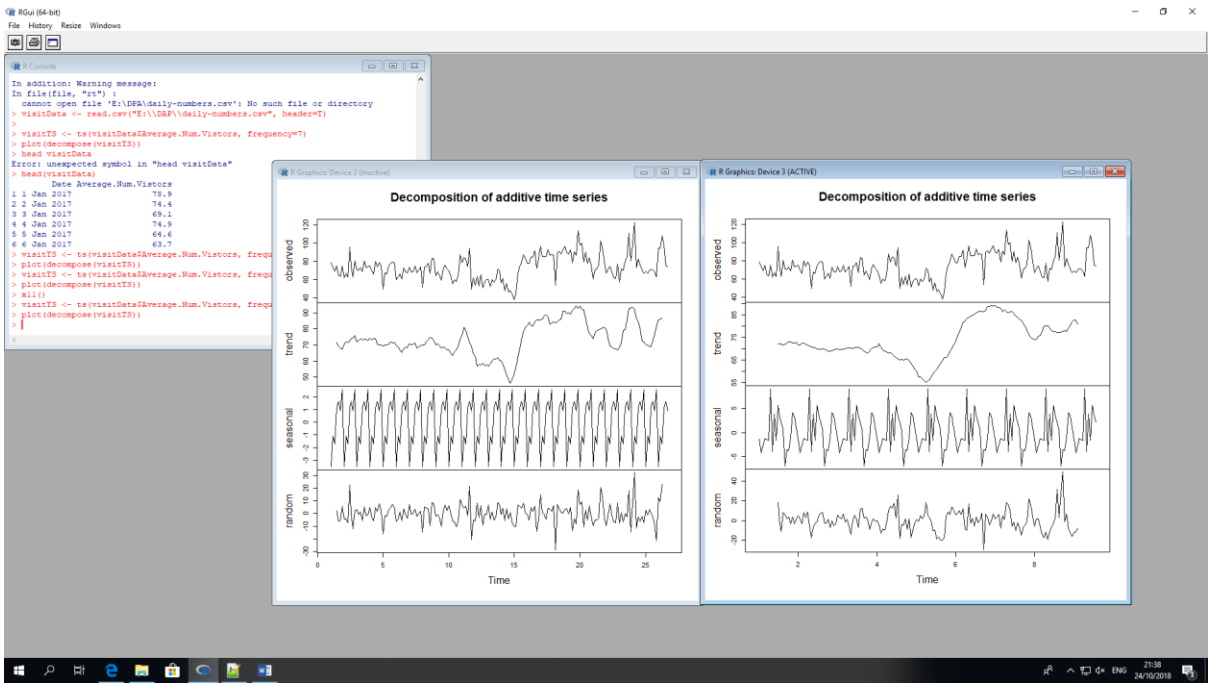


> visitTS <- ts(visitData$Average.Num.Vistors, frequency=3)

> plot(decompose(visitTS))



Comparing at 21 days – shows smoother trend

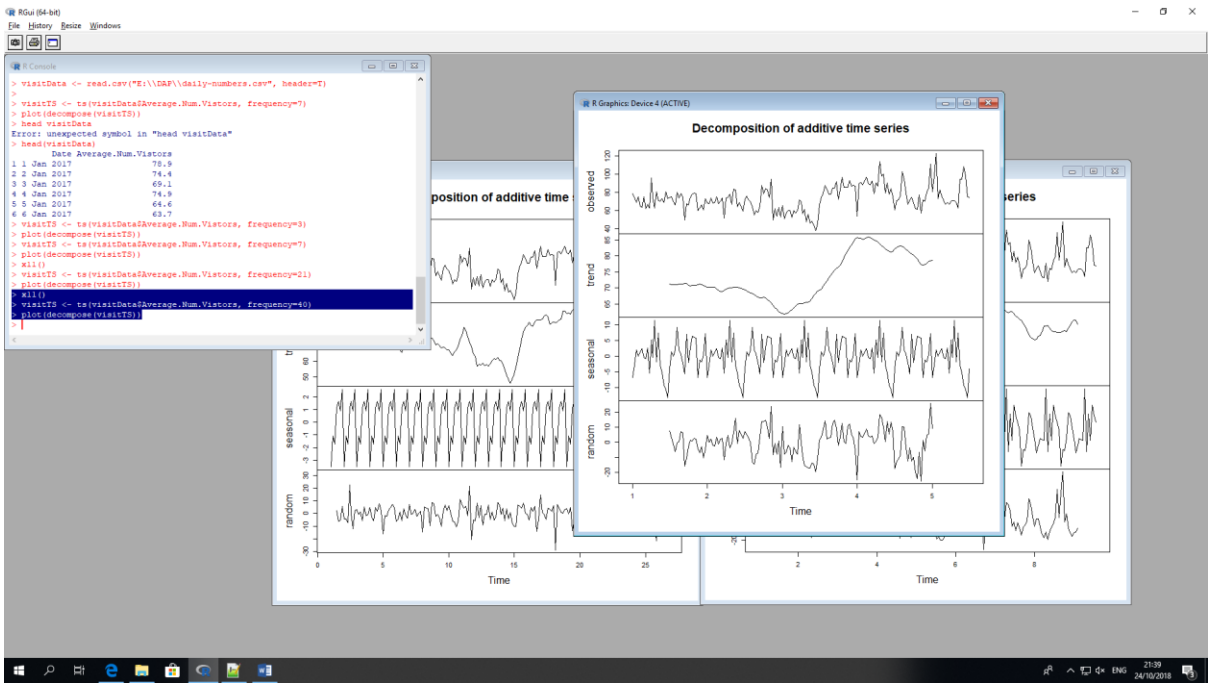


Look at 40 days – loose precision of analysis if too wide range

> x11()

> visitTS <- ts(visitData$Average.Num.Vistors, frequency=40)

> plot(decompose(visitTS))



monthly-sales-for-a-souvenir-shop Time Series check

> monthlySales <- read.csv("E:\\DAP\\monthly-sales-for-a-souvenir-shop.csv", header=T)

> x11()

> plot(decompose(monthlySales))

Error in decompose(monthlySales) :

time series has no or less than 2 periods

> <- ts(visitData$Average.Num.Vistors, frequency=31)

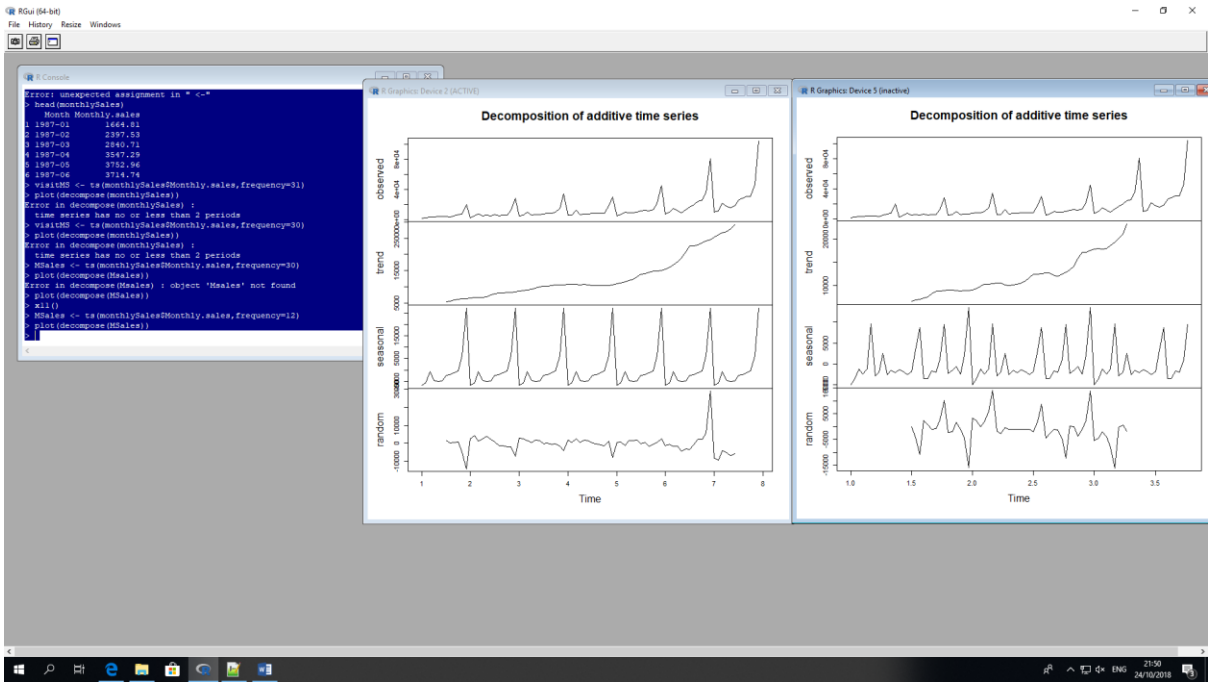
Error: unexpected assignment in " <-"

> head(monthlySales)

Month Monthly.sales

1 1987-01 1664.81

```
2 1987-02      2397.53
3 1987-03      2840.71
4 1987-04      3547.29
5 1987-05      3752.96
6 1987-06      3714.74
> visitMS <- ts(monthlySales$Monthly.sales,frequency=31)
> plot(decompose(monthlySales))
Error in decompose(monthlySales) :
  time series has no or less than 2 periods
> visitMS <- ts(monthlySales$Monthly.sales,frequency=30)
> plot(decompose(monthlySales))
Error in decompose(monthlySales) :
  time series has no or less than 2 periods
> MSales <- ts(monthlySales$Monthly.sales,frequency=30)
> plot(decompose(Msales))
Error in decompose(Msales) : object 'Msales' not found
> plot(decompose(MSales))
> x11()
> MSales <- ts(monthlySales$Monthly.sales,frequency=12)
> plot(decompose(MSales))
>
```


RGui (64-bit)
File History Resize Windows
R Console
Error: unexpected assignment in " <-"
> head(monthlySales)
Month Monthly.sales
1 1987-01 1664.81
2 1987-02 2397.53
3 1987-03 2840.71
4 1987-04 3547.29
5 1987-05 3752.96
6 1987-06 3714.74
> visitMS <- ts(monthlySales$Monthly.sales,frequency=31)
> plot(decompose(monthlySales))
Error in decompose(monthlySales) :
time series has no or less than 2 periods
> visitMS <- ts(monthlySales$Monthly.sales,frequency=30)
> plot(decompose(monthlySales))
Error in decompose(monthlySales) :
time series has no or less than 2 periods
> MSales <- ts(monthlySales$Monthly.sales,frequency=30)
> plot(decompose(Msales))
Error in decompose(Msales) : object 'Msales' not found
> plot(decompose(MSales))
> x11()
> MSales <- ts(monthlySales$Monthly.sales,frequency=12)
> plot(decompose(MSales))
R Graphics: Device 2 (ACTIVE)
Decomposition of additive time series
observed
trend
seasonal
random
Time
R Graphics: Device 5 (inactive)
Decomposition of additive time series
observed
trend
seasonal
random
Time
ENG
21:50
24/10/2018