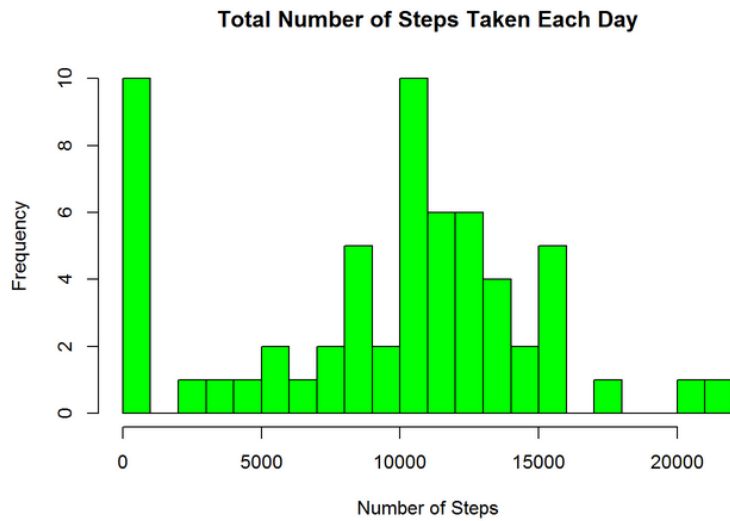
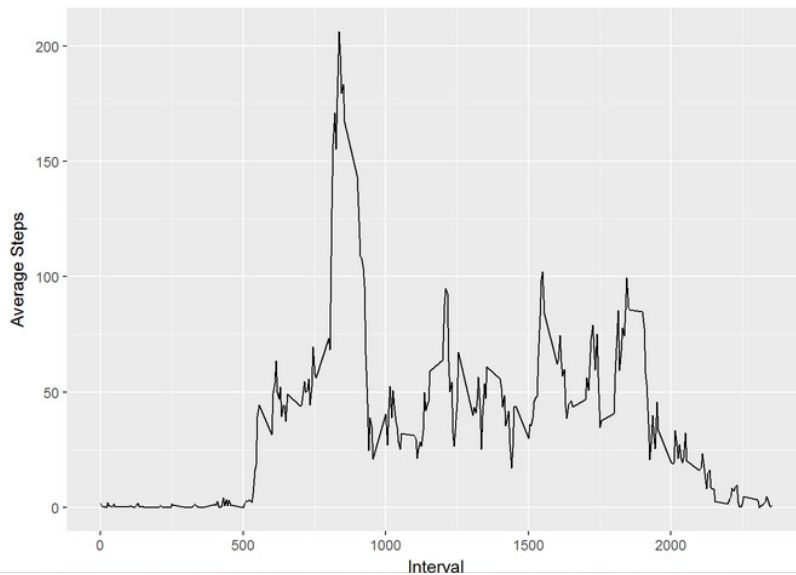


## Figures

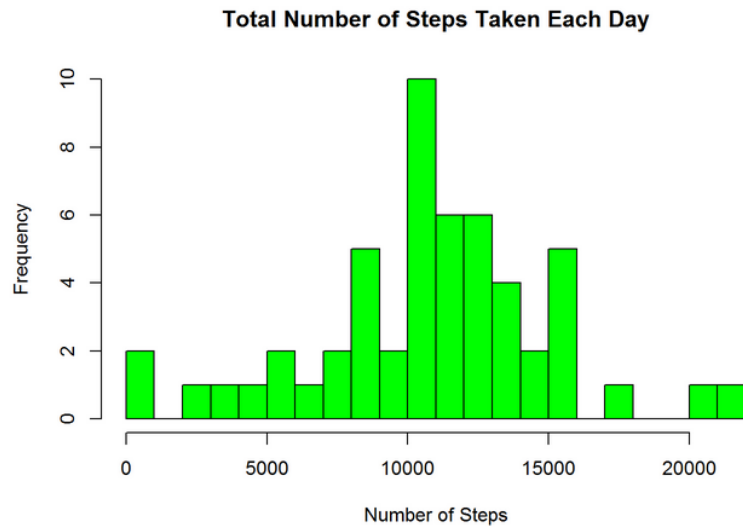
```
dailytotal<-aggregate(AD$steps, FUN=sum, by=list(Group.date=AD$date), na.rm=TRUE)
hist(dailytotal$x, col="green", breaks = 25, xlab = "Number of Steps",
     ylab = "Frequency", main = "Total Number of Steps Taken Each Day" )
```



```
intervals<-aggregate(AD$steps, FUN=mean,
                     by=list(Group.Interval=AD$interval), na.rm=TRUE)
ggplot(intervals, aes(Group.Interval, x))+
  geom_line() +
  xlab("Interval") + ylab("Average Steps")
```



```
dailytotal2<-aggregate(AD3$imputedmean, FUN=sum, by=list(Group.date=AD3$date), na.rm=TRUE)
hist(dailytotal2$x, col="green", breaks = 25, xlab = "Number of Steps",
     ylab ="Frequency", main = "Total Number of Steps Taken Each Day" )
```



```
intervalsweekend<-aggregate(SatSun$steps, FUN=mean,
                             by=list(Group.Interval=SatSun$interval), na.rm=TRUE)
p1<-ggplot(intervalsweekday, aes(Group.Interval, x))+
  geom_line() +
  xlab("Weekdays") + ylab("Average Steps")
p2<-ggplot(intervalsweekend, aes(Group.Interval, x))+
  geom_line() + xlab("Weekends") + ylab("Average Steps")
grid.arrange(p1, p2, nrow=2)
```

