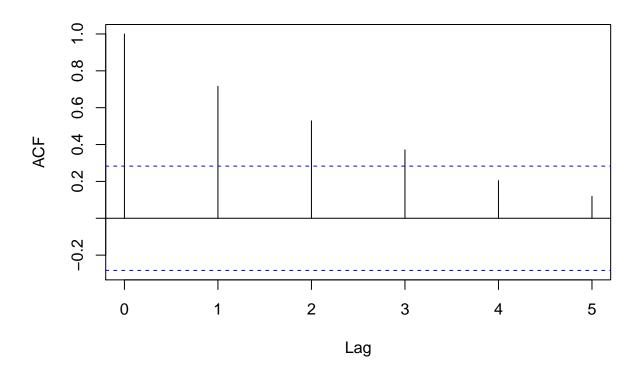
ch6.R

dell

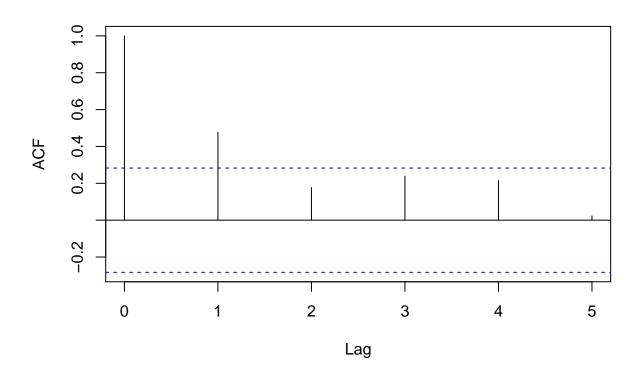
Sun Oct 28 11:42:01 2018

Series series_6.20

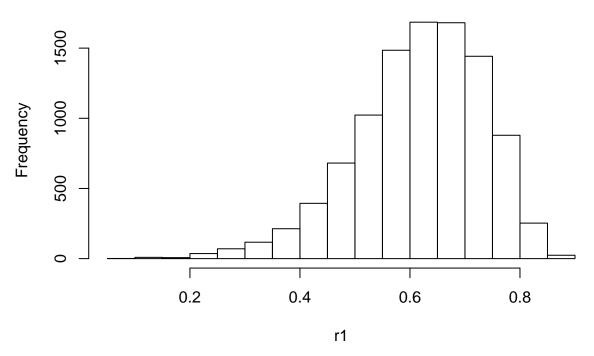


```
series_6.20new = arima.sim(list(ar=0.7),n=48)
SACF_6.20new = acf(series_6.20new,lag.max=5)$acf[-1]; SACF_6.20new[c(1,5)]
```

Series series_6.20new



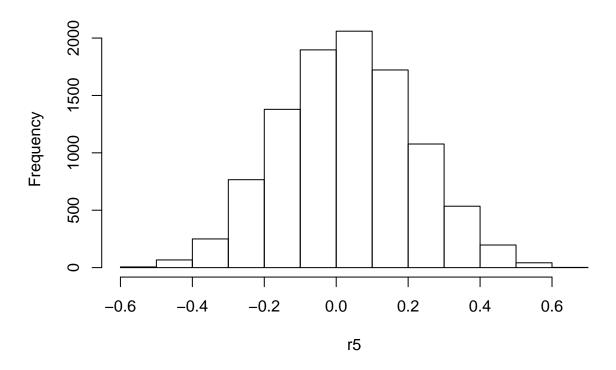
Histogram of r1



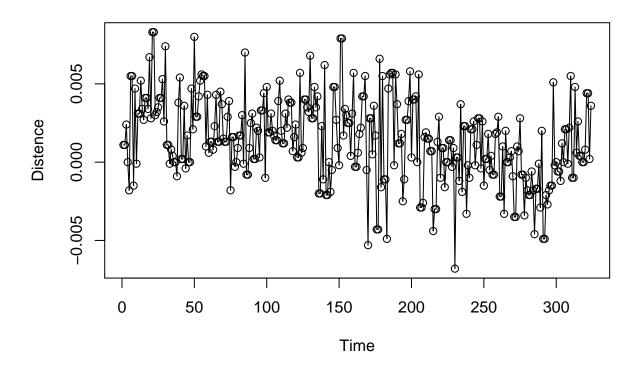
```
Min. 1st Qu. Median
                              Mean 3rd Qu.
## 0.09291 0.54767 0.62901 0.61747 0.70298 0.88715
hist(r5); summary(r5)
       Min. 1st Qu.
                                        3rd Qu.
                       Median
                                  Mean
## -0.55756 -0.09812
                      0.03032
                               0.03160
                                        0.15766
                                                 0.61642
## 6.36
library(TSA)
## Warning: package 'TSA' was built under R version 3.5.1
## Attaching package: 'TSA'
## The following objects are masked from 'package:stats':
       acf, arima
##
## The following object is masked from 'package:utils':
##
##
```

tar

Histogram of r5

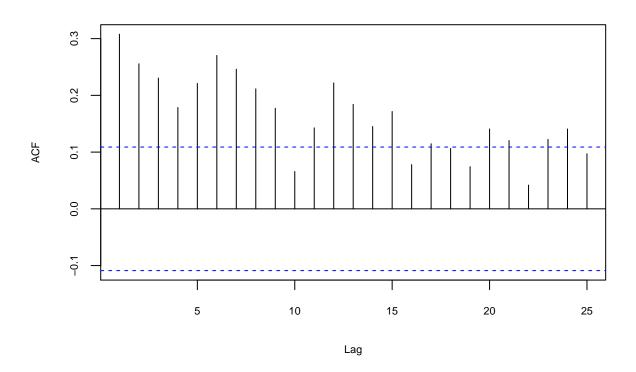


```
data(robot)
### (a)
plot(robot, type="o", ylab="Distence")
```



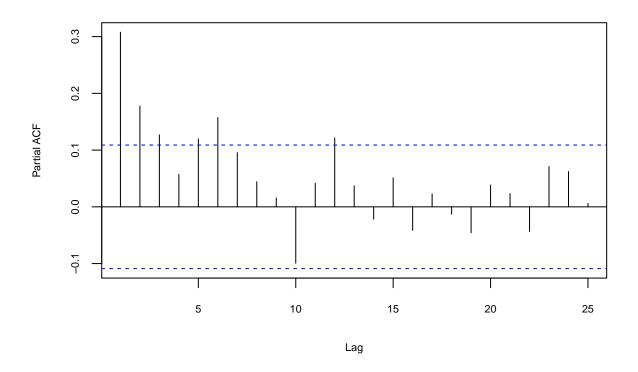
```
### (b)
win.graph(width = 3.25, height = 3, pointsize = 8)
acf(robot)
```

Series robot



pacf(robot)

Series robot



```
### (d)
plot(armasubsets(y=robot,nar=12,nma=12,ar.method="ols"))
```

