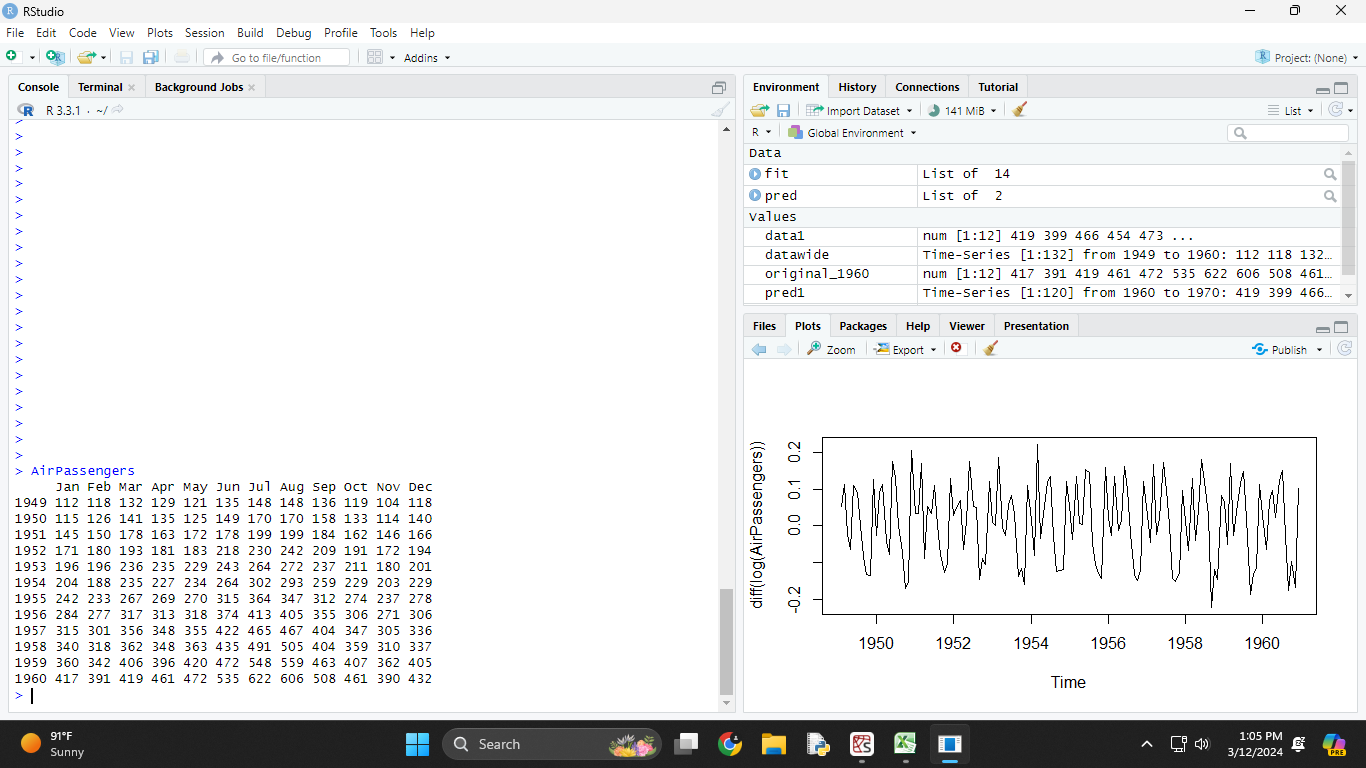
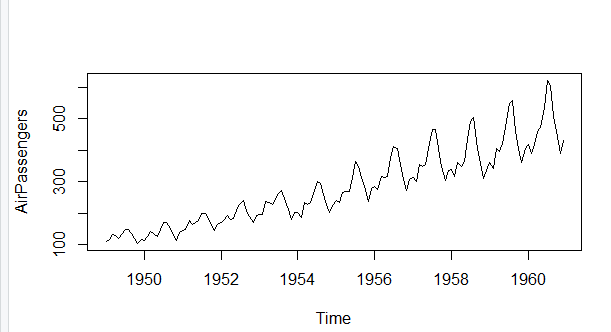
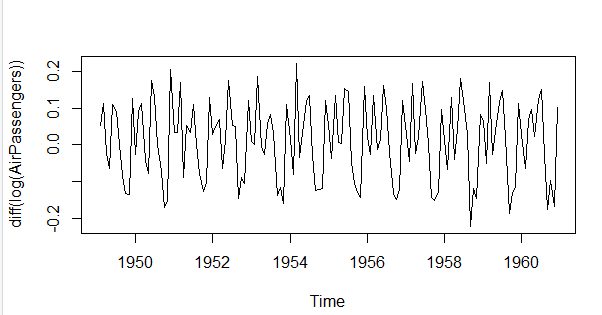
1. Airpassengers



1. plot(AirPassengers)



1. plot(diff(log(AirPassengers)))



1. class(AirPassengers)



1. start(AirPassengers)



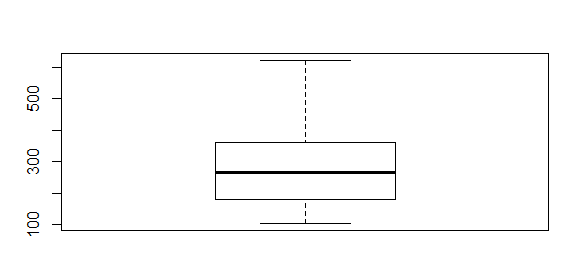
1. end(AirPassengers)



1. frequency(AirPassengers)



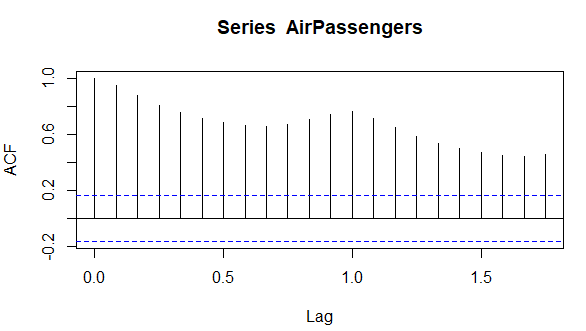
1. boxplot(AirPassengers)



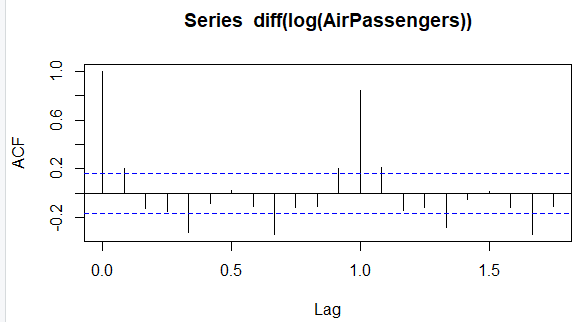
1. summary(AirPassengers)



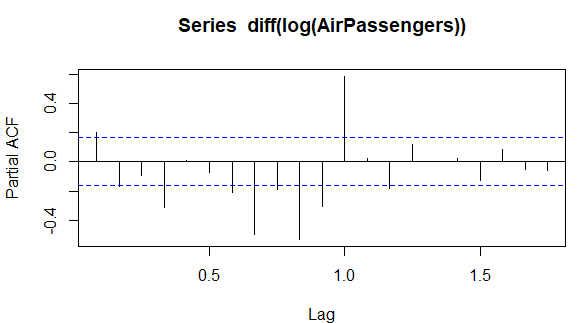
1. acf(AirPassengers)



1. acf(diff(log(AirPassengers)))



1. pacf(diff(log(AirPassengers)))

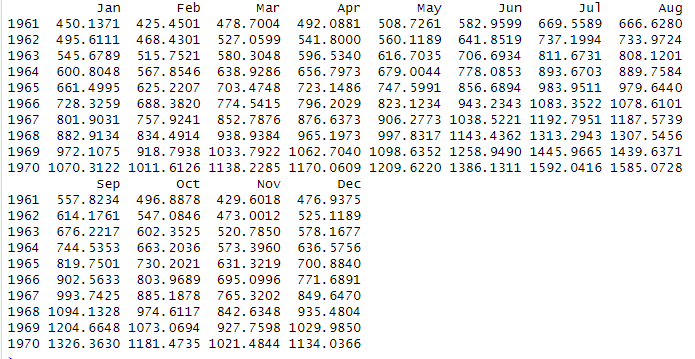


1. fit<-arima(log(AirPassengers),c(0,1,1),seasonal=list(order=c(0,1,1),period=12))

pred <- predict(fit,n.ahead =10\*12)

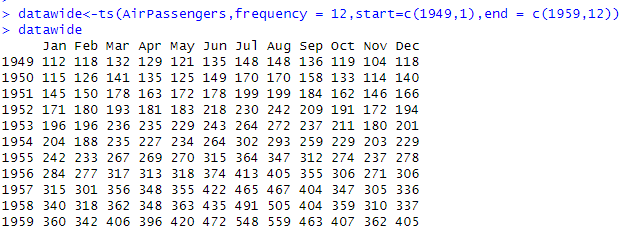
pred1<-2.718^pred$pred

pred1



1. datawide<-ts(AirPassengers,frequency = 12,start=c(1949,1),end = c(1959,12))

datawide

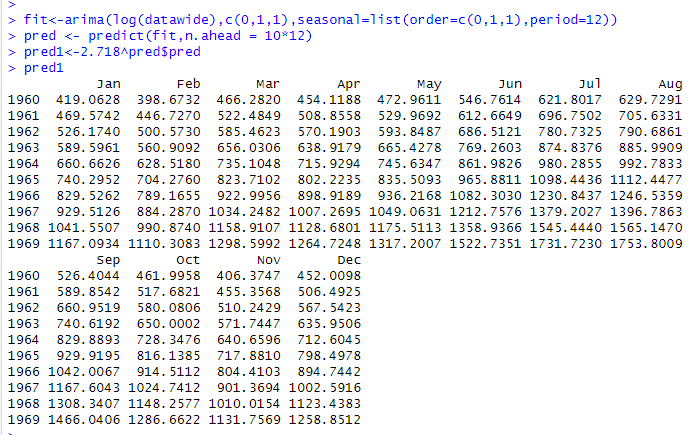


1. fit<-arima(log(datawide),c(0,1,1),seasonal=list(order=c(0,1,1),period=12))

pred <- predict(fit,n.ahead = 10\*12)

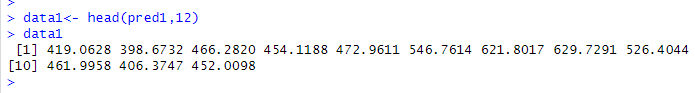
pred1<-2.718^pred$pred

pred1



1. data1<-head(pred1,12)

data1



1. predicted\_1960<-round(data1,digits=0)

predicted\_1960



1. original\_1960<-tail(AirPassengers,12)

original\_1960

