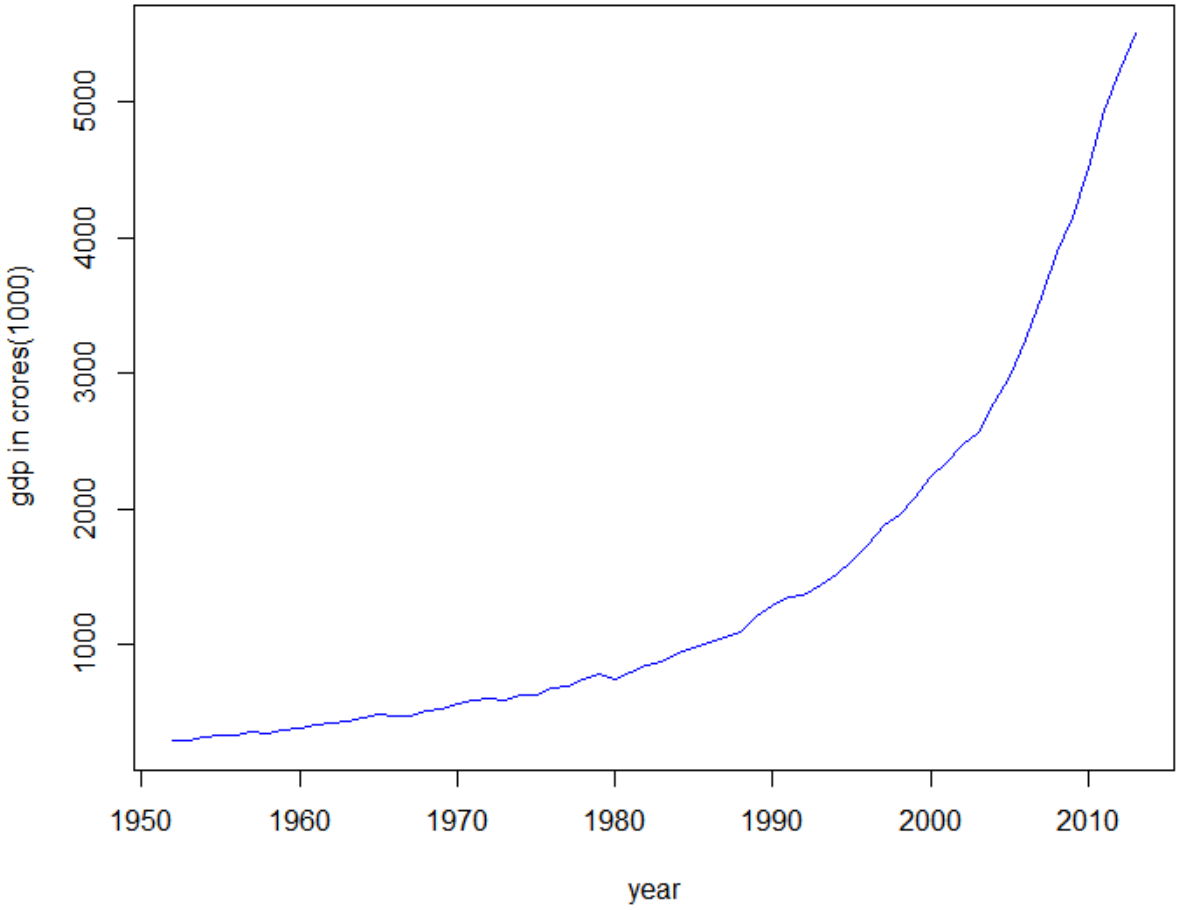
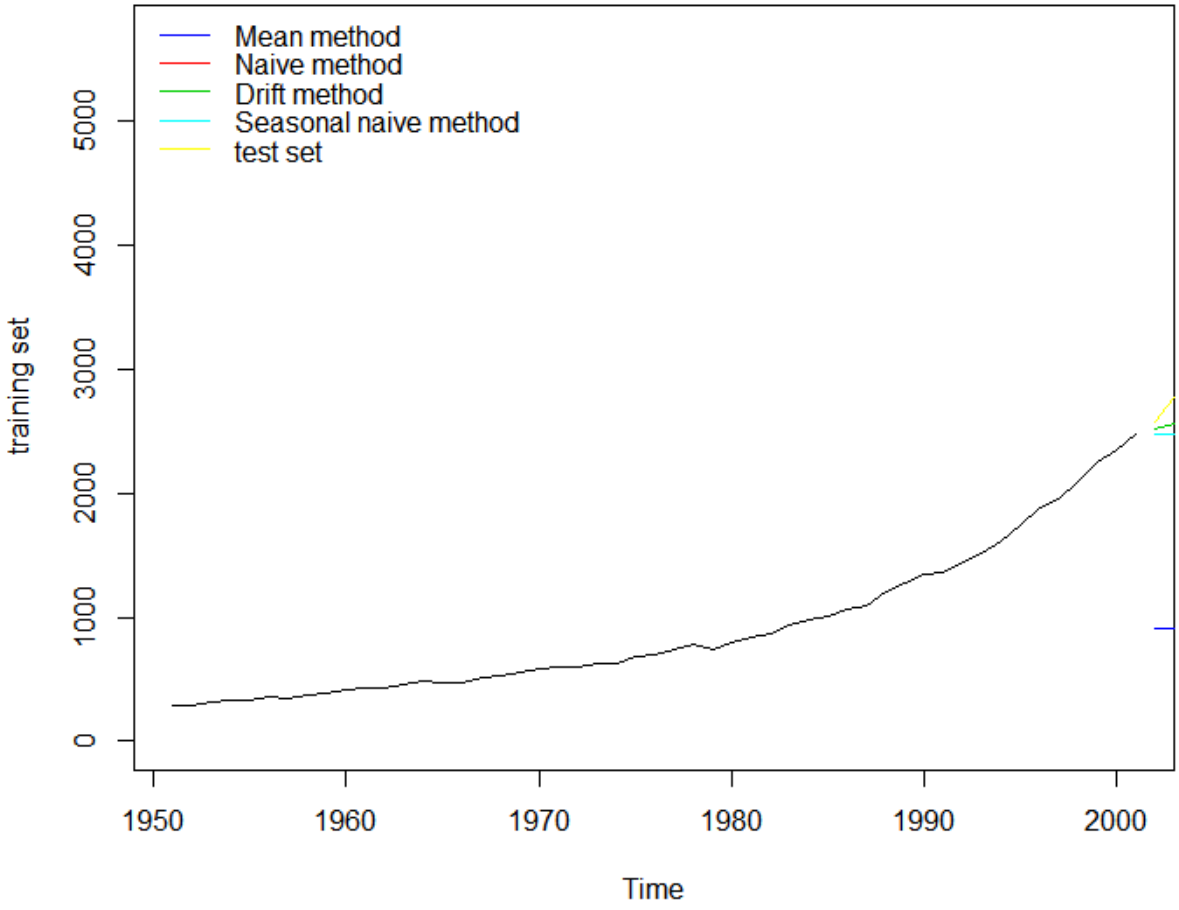
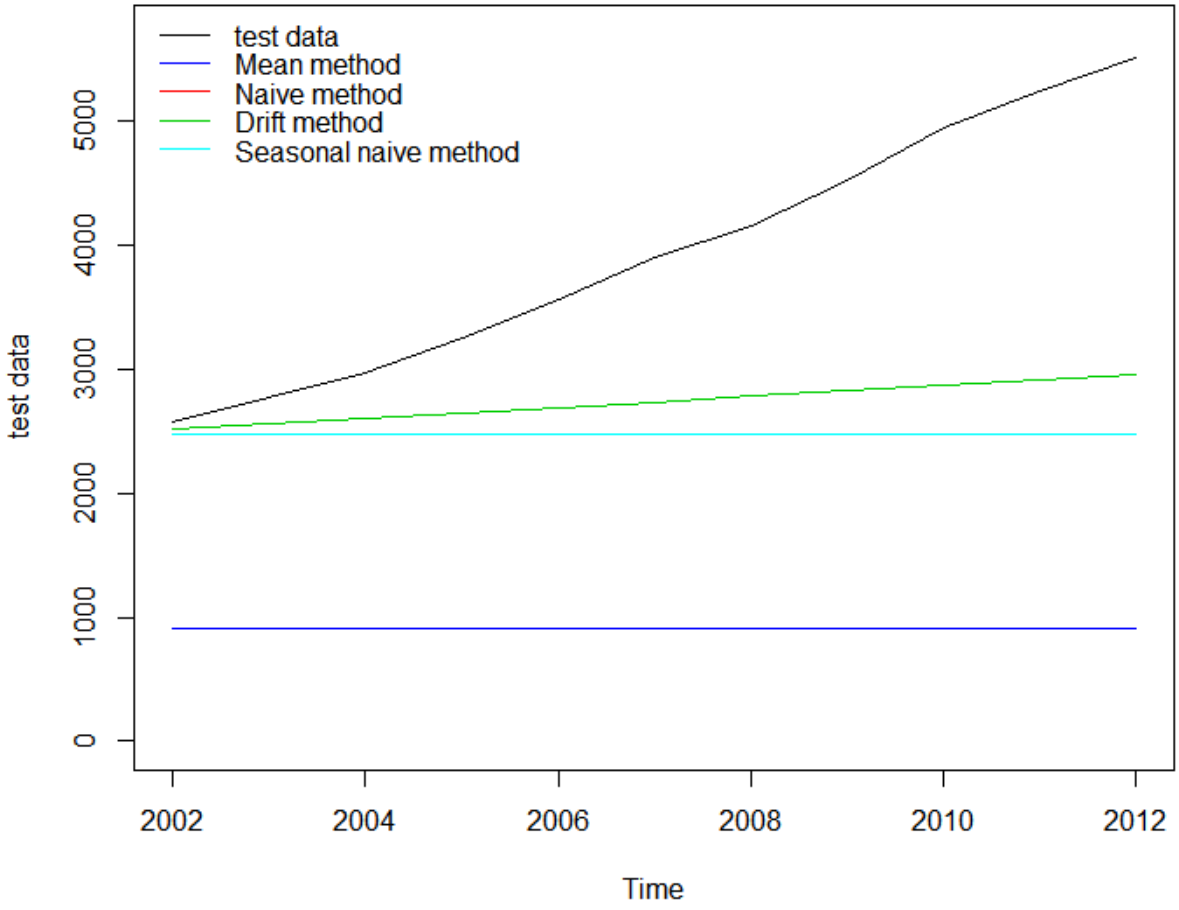
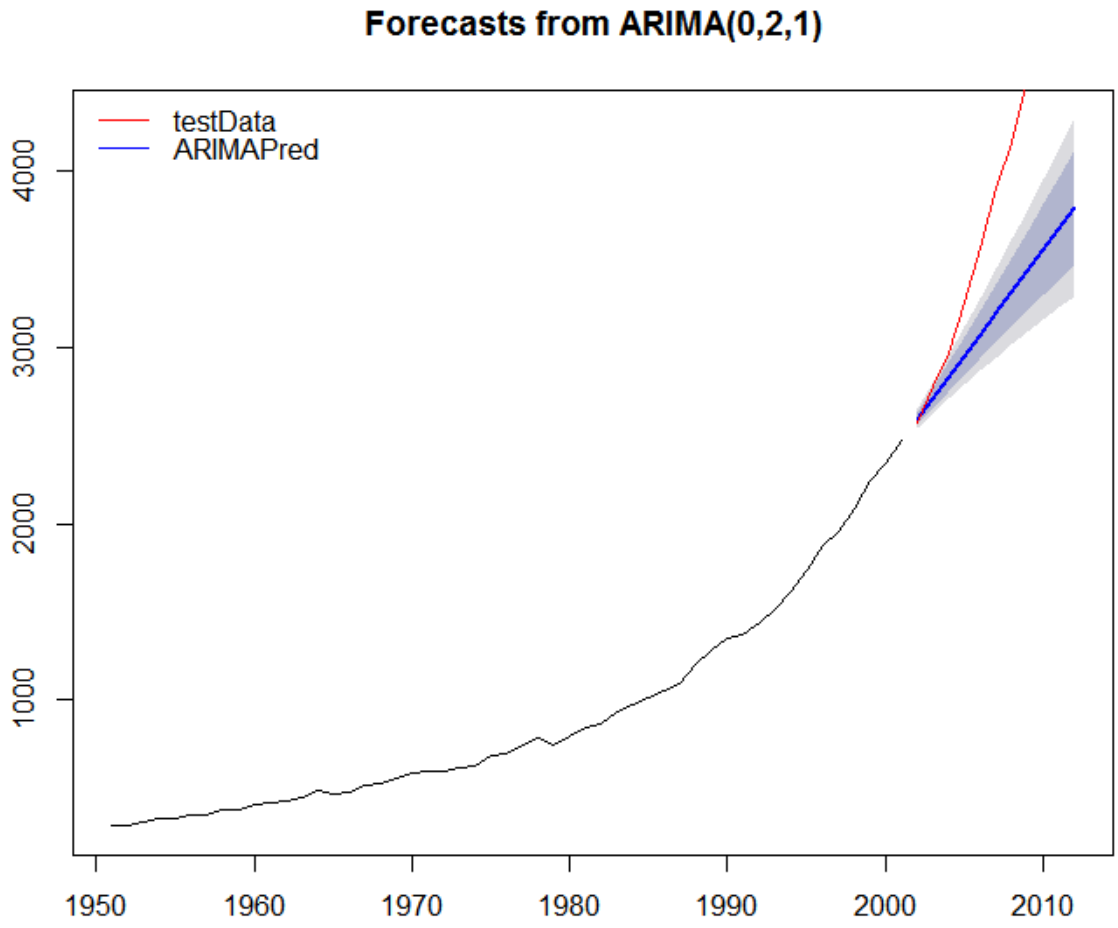
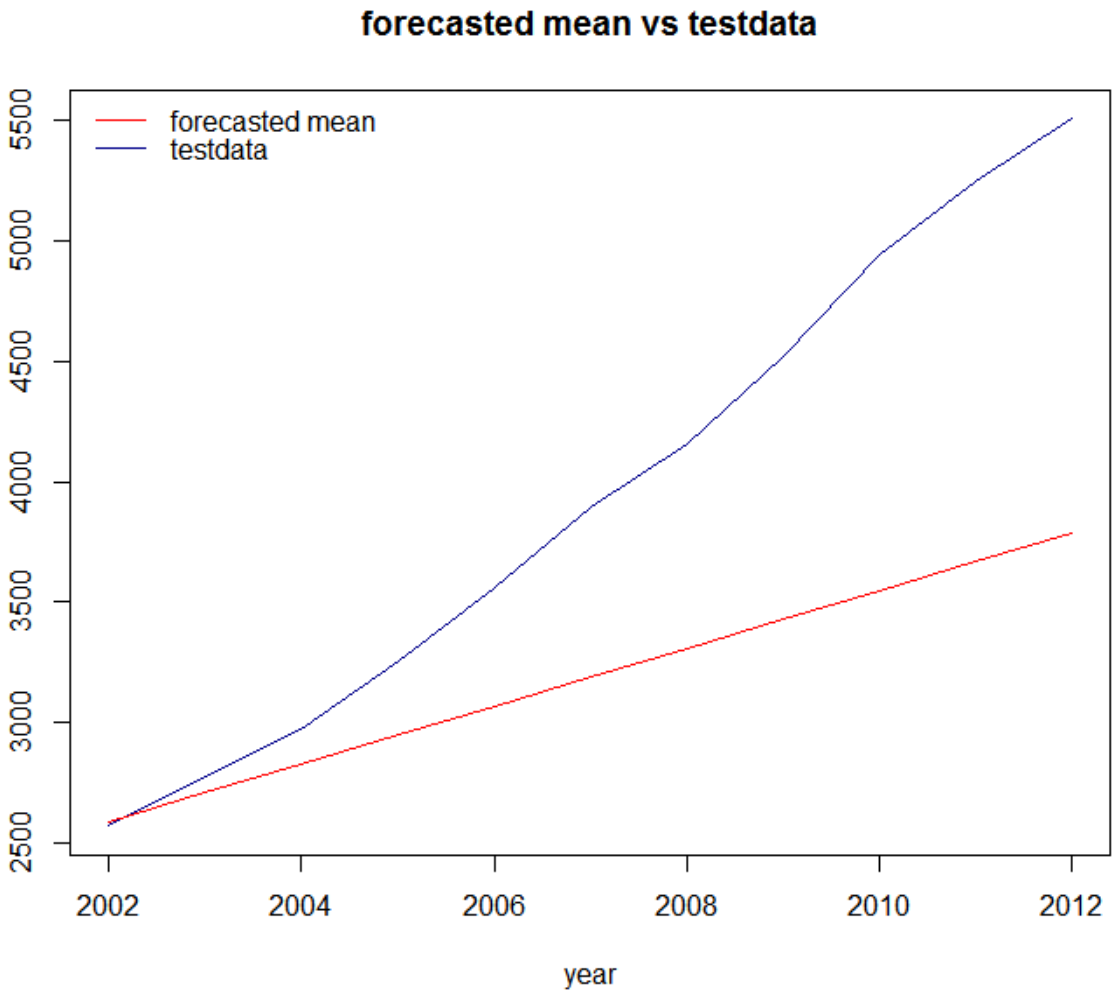
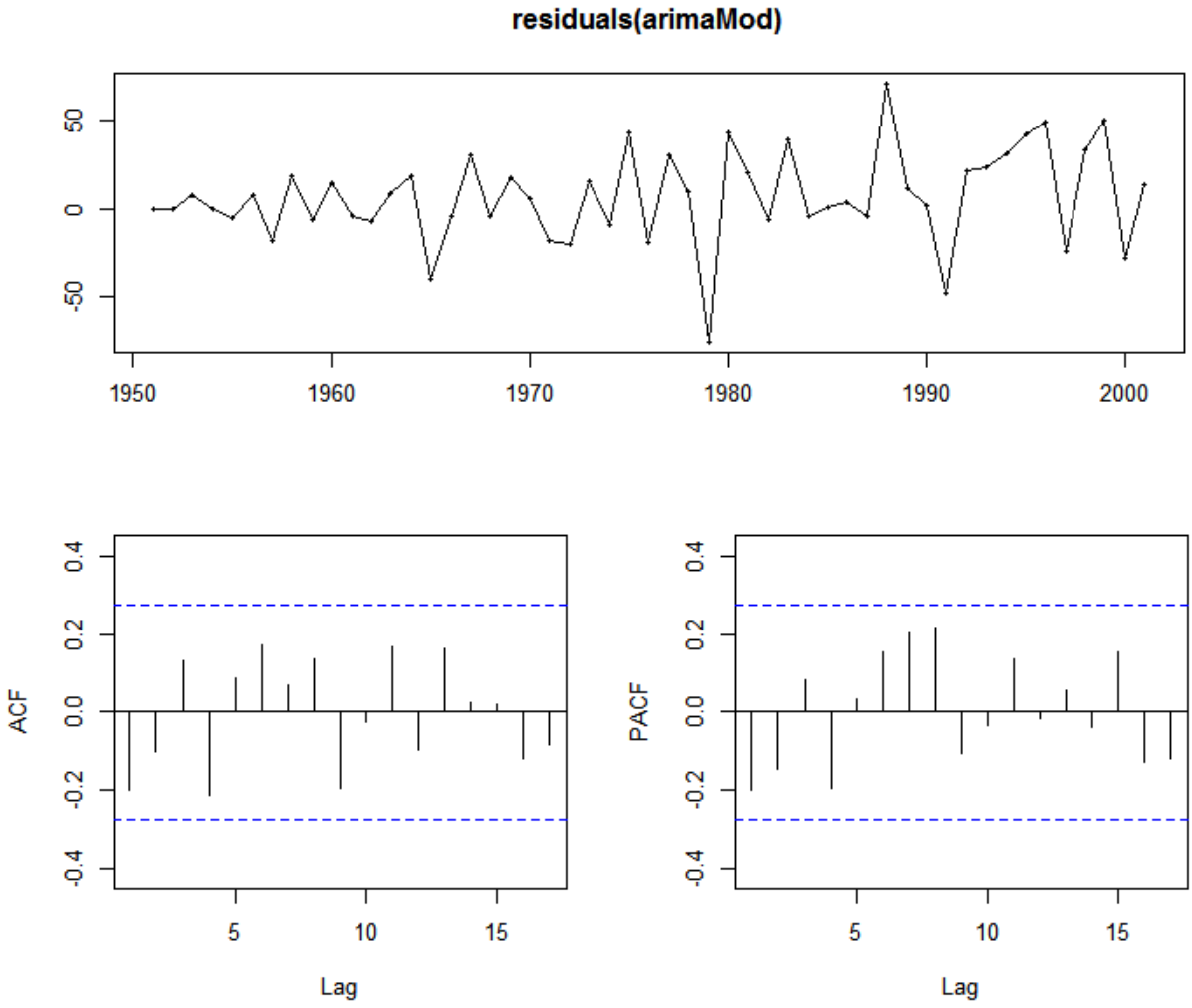

gdp in crores(1000)
1000
2000
3000
4000
5000
1950
1960
1970
1980
1990
2000
2010
year

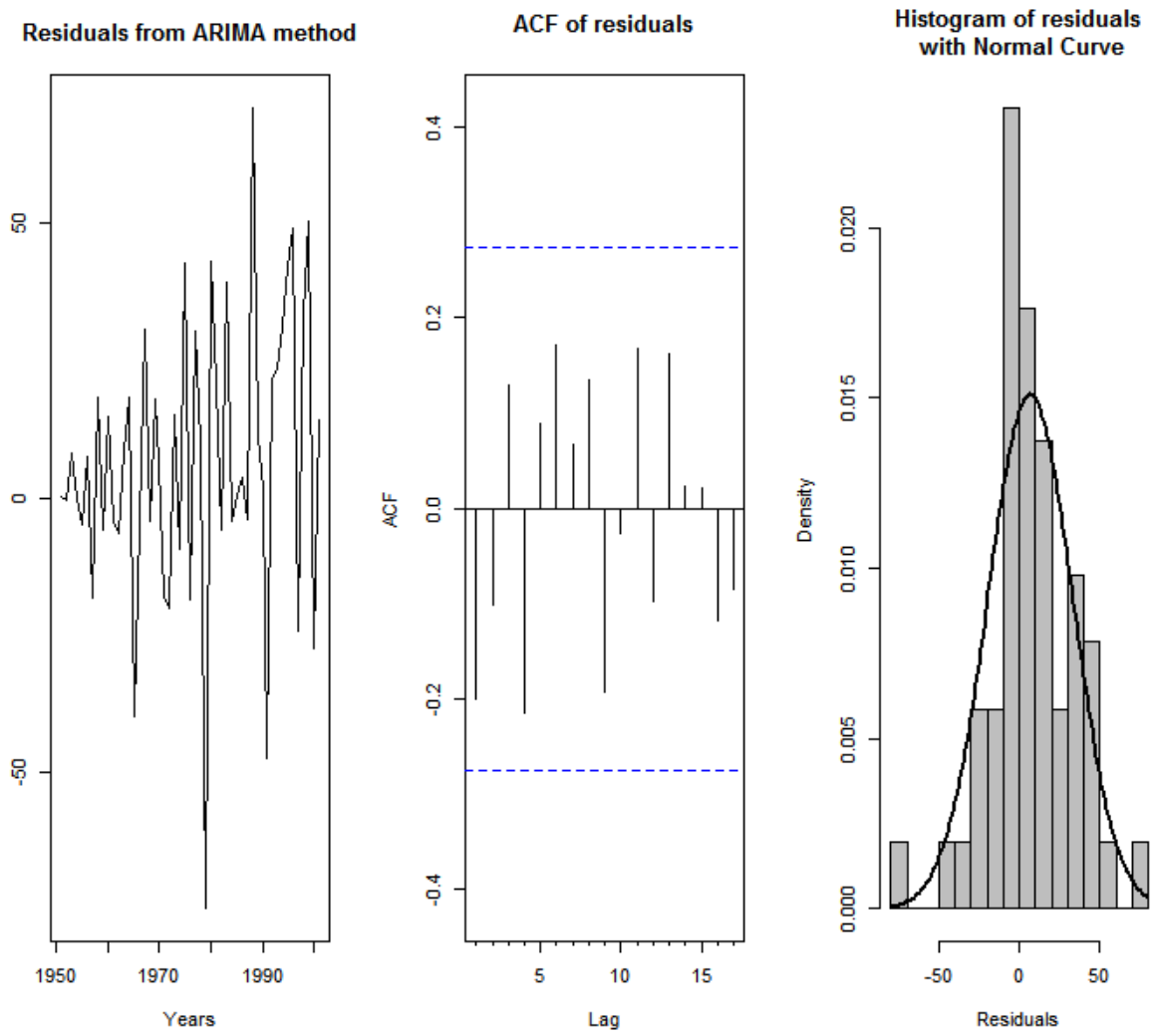

Mean method
Naive method
Drift method
Seasonal naive method
test set
training set
0
1000
2000
3000
4000
5000
1950
1960
1970
1980
1990
2000
Time


test data
Mean method
Naive method
Drift method
Seasonal naive method
test data
0
1000
2000
3000
4000
5000
2002
2004
2006
2008
2010
2012
Time


Forecasts from ARIMA(0,2,1)
testData
ARIMAPred
4000
3000
2000
1000
1950
1960
1970
1980
1990
2000
2010


forecasted mean vs testdata
forecasted mean
testdata
2500
3000
3500
4000
4500
5000
5500
2002
2004
2006
2008
2010
2012
year


residuals(arimaMod)
50
0
-50
1950
1960
1970
1980
1990
2000
ACF
0.4
0.2
0.0
-0.2
-0.4
5
10
15
Lag
PACF
0.4
0.2
0.0
-0.2
-0.4
5
10
15
Lag


Residuals from ARIMA method
50
0
-50
1950
1970
1990
Years
ACF of residuals
0.4
0.2
0.0
-0.2
-0.4
ACF
5
10
15
Lag
Histogram of residuals
with Normal Curve
0.020
0.015
0.010
0.005
0.000
Density
-50
0
50
Residuals