# Econometrics III Assignment Part IV

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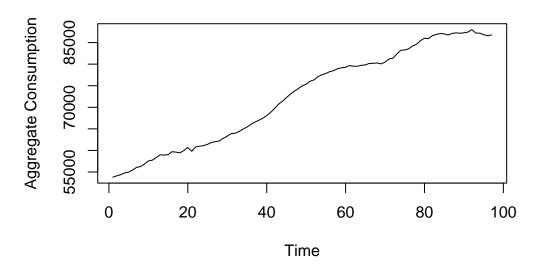
We are always more interested in estimating ADL(1,1) instead of 1st diff ADL(1,1) because we are not able to say anything about the long run equilibrium in case the 1st diff are used

#### 1 Question 1

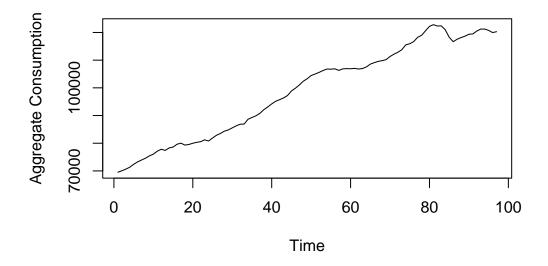
```
plot.ts(dfAssign_p4$CONS, main="Quarterly Aggregate Consumption since

→ 1988 Q1", ylab="Aggregate Consumption")
```

## **Quarterly Aggregate Consumption since 1988 Q1**



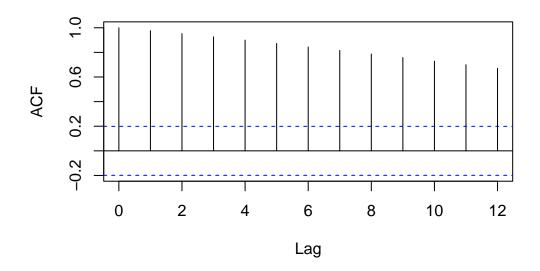
## **Quarterly Aggregate Consumption since 1988 Q1**



The two plots above show the shape of the quarterly aggregate consumption and quarterly aggregate income in the Netherlands.

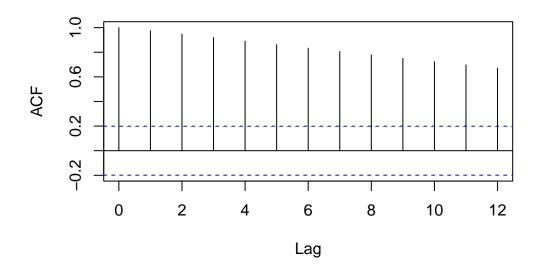
acf(dfAssign\_p4\$CONS,12,p1=T)

## Series dfAssign\_p4\$CONS



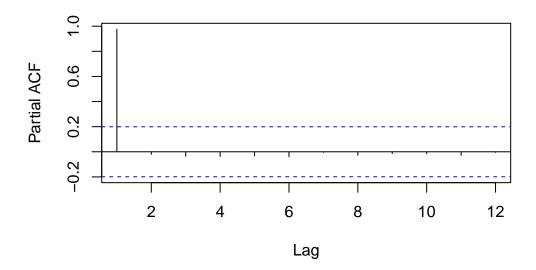
acf(dfAssign\_p4\$INC,12,pl=T)

# Series dfAssign\_p4\$INC

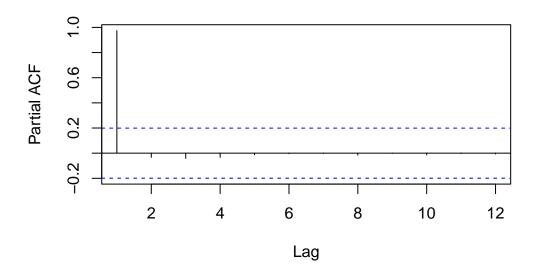


pacf(dfAssign\_p4\$CONS,12,p1=T)

## Series dfAssign\_p4\$CONS



## Series dfAssign\_p4\$INC



From the ACF and PACF

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