Forecasting For Report

• Need to Forecast consumption, investment, unemplayment, inFlation, GDP(min)

> NOT oil prices

Auto ARIMA

> runs lots of lags...

I for residuals, not good when our of blue borders

* What is forcerst hirszen

S ARUMA Forcasts always predict return to mean, faster when you have feew q and p

b) to improve, can add exogeneous variables which conditions forecast on exogeneous var.

Affind reasonable paths for explanables, and also relevant exog. var.

Humat does stationary time series mean?

> For ten-year interest rate, use 1.4 difference NOT was difference > to Fill in blanks For sep. GDP and OPI and Aug. GDP USE iterated VAR

* don't Start Pater than 2000, ideally Start 1993

* 5C = Blc

Bayesian

Criturum

Criturum

- It choose lag length, usually more than two For monthly dated I if values are close to unit circle, it means model is drifting around a random point?
 - *t Use Granger-causality test to Figure out if you want to include variables
 - 4 if rull is rejected, we riject there is no causality .: Use variable
 - 1) Sclect base variables in VAR
 - 2) Run VAR
 - 3) Check Granger-causality
 - 4) transform if readed (unit circle problem)
 - 5) Add exogeneous variables
 - 2 base case scenario. What we think will most likely occur & prodict oil prices and stock markets remain at current prices
 - -) For presentation, we look at multiple scenarios