QUICK > Estimate VAR > Endogenous variables > lag 2014.

By downg this we will not get prob of Coessivents so,

Proc > Make system > Order by Variable.

You will get equitions

Estimate > OK.

check Daubun-Watson Stat

13 value is Josom 1.9 to 2.1 -> model is good

Close forom serial co-neletion .

Petermine & Jount Dwgnis icance of Variable in a particular equation

eg: - LWPCE -> 15t 16g of Per GDP + And 2nd 68

View > coesquent digonotis -> waldtest

Coefficiel GDP1 Coeff GDP-2.

P < 0.05 - orget null hypothesis

Check for the magnificance if P > 0.05-) not oughtance

Vuew -> coefficient digonsta -> would lost

All coefficient not sugnitance = 0

eg ((5) = ((6) = ((7)=0. -> 011.

lif P>0.05 then cannot oreget need by pronger to: There are no tinbulance on dependent

Remove the variables.

Variable.

spec -> remove the unwanted variable.

Estimate + > OK.

Check all the 'Coephient are sugnificant

Chettung causality

> speazy the model

-> statuonary test

-> optimal lags determination

-> Estimate the unrusisted VAn.

-) persorm (ausality tests.

-> person digonstas

Vucu > Lagsbruter > unanger causality

Ho! lagged coeffeent (5)=0

Hi: lagged coephecn+ (s) to

Reject Ho: ProbChi2-Steri < 0.05

p (has a causal import) Hi).

UKK -) group statustico -> burangua campality toot 20 OK. 1008/495 -> OK. Check Prob L 0-05-2 reject null hyposhusis. Hi! - Grancies Causality i's powent (Alternative) Vicus Risidual test 3 Auto Carriletion LM test -> no of Test don digonolies 148 -> 014. LOOS >0.05-) Accept 40 -> 5cm'al correlation Chick prob normaly normally-) view > Resudual -> Cholesky Coes View -> Variance ducompostion -> - peniod -> 011.

Panel Data - Econometric data

- -> It allows the includion of data for N Cross sections (eg: countries, household, firms, linde viduals and soon) and T time pounds (foregi. - Years, quantons, months and so on).
- -> il brue paner data set would allow each undervidual un the panel to be followed over a number of periods.
- > if the Panel has the same number of time observations for every variable and overy individual, l't in known as promet Balanced panel.
- -> The base's eidea of panel data analysis distrat aresis from some beluf that the undervidual relationships will all have the same panameter -> This is called pooling electes

 - > Here all indervuate are pooled toghther into one data set and a common set of parameters is imposed across them. -> Panel data can be esturmated using three different methods
 - - (a) whith a constant as in capitation
 - (b) allowing for fixed effects
 - (c) allowing for mandom effects.
 - -> Fisad effects method -> constant is truated as group-specific. This model allows for different constants for each group.
 - > Byon assessing the validity of a funced effects method, we need to apply tusts to theek whether firstd effects (that is different (onstarts for each group) should linded to be uncluded in this mode,

- To do this, standard fitist can be used to the funded ebbeits against the sumple constant OLE method.
- -> Null hypothesis: All the constants are same Chomogeneity): The common constant method is applicable

Ho: a1 = a2 = ... an

> F statisic is > Fontica We originate num

open evieus > File > Woorkfile -> Woork tot faile Structure type -> Balanced panel > panel Specification - I Annual -> Start door -> End date ->ok. -> No of Gossschions -> OK. * file > 1 mport from file > 1 mport panel data -> OK > Janish.

Chicks on 'obs" -> Ch of poor of mail open -) (Moss Section 1d Seson screen. -> date scories (put year) (given cross section id)

Shortcut - drag and drop exect bulle in evacus - Basic Strutore - Daked panel -)
mured give the crosssectional id and date screen - binion Quick -> estimate equition -> (vieturn C beta)

OK.

prob > 0.05) sue cannot do orignostion.

(There is some effect o Jusced or mandom)

The sample regression assumes that the rinters ecopis are same foor each form and foreach years.

This may be an appropriete absumption and we could u'notead estrimate a model writer friendesad and time-bused effects which will allow foorlaunt fair specjac and time spender cheteroskisaty

Vacus > fasced orandoms

Estimate > Panel Option > conoss-section -> busced Period > guard > OK.

So the probability will be <0.05, theo it is the granticance, and Durbuin-watsonstat Should be near to 2' which means that there is no super. Spurious vegrussion.

chick the parame

To deterime redundant busced effect testing hine

Vuices > Jusual Reduced Random effect testing hine

Random effect desiring Reducendant busced effects
derkenhood dust

My All prob to should be zero then eit us fixed effect
So estimate Random effect model

Estimate -> pand option -> (4055-Scotton-) Random

Howsman dust por los los than 0.001 with the porobatity prob is los than 0.001 what the mandom effects model us not appropriete and that the final effects not effect not appropriete and that the final effect specification is perspected.

ho: - correlation effect is persect.