

1. The error terms in an SVAR are uncorrelated with eachother whereas for VHR models this might not be the case 2. A VAR model can be estimated egn by egn by als because each egn has the same predetermined variables on the kHS. Le Due to contemporaneous relationships among endogenous usialis, SVAR models must be recovered from corresponding VAR it possible.

Under what conditions can we recover the SVAR?

on top of coeffs, VAR system estimates variances of u terms K their covariances -0:9 terms

- The SVAR system only estimates variances of E-v. 10 terms Lo: SVAR is unidentifiable unless me restrict one variable

The Cholesky decomposition is the simplest way to restrict: - Sometimes it's reasonable to assume Mships are asymmetric 6/c y has a contemp. effect on 2 but not vice versa (i.e. 612=0) - Making this assumption reduces the number of params to 9! - However this changes the v/ship 6/w 4 x Et

OLS. However, you need to be cognizant of this new Exx U, 1/5h;p.

ξ_yε = û_gε, ξ_z= 6₂,ξ_yε + û_z = 6₂, û + υ_zε

Notes!

~ (holesky decomposition assumes 9, "precedes" z. therefore, it's only useful when theory suggests it's appropriate to do so.

Le you must check how robust results are to alternative odering

the importance of ordering depends on the correlation of we the error terms in the VAR system.

Co The weather the correlation 6/w Unt terms the less in another to know on is

important ordering is.

Let you have several endog variables, coss will not be low X: imporaction to experiment w/ all orders.

«Recursive SVAR models can be too restrictive in terms

Lo Rostrictions can be a arbitrary as you begin developing large systems.