TSLS

y: = po + B, x, + ...+ bpx; + Bp+, w, + 4; X: - endogenous variables W: - exogenous variables Z: - instruments m=p (IV) 2 xadly identified 1 m=p
m > p (TSLS) overidentified h < p (-) underidentistied 1 Step Xi 1 Zi, ..., Zi, Wi, ..., Wi $x_{i}^{(p)} \mid z_{i}^{(i)}, ..., z_{i}^{(m)}, w_{i}^{(p)}, ..., w_{i}^{(p)}$ 2 step yi | \(\hat{a}_{i}^{(1)}, ..., \hat{\chi}_{i}^{(p)}, \(\nu_{i}^{(1)}, ..., \hat{\chi}_{i}^{(1)}\) relevance $(or(\pm; , \xi;) = 0, ..., cor(\pm; , \xi;) = 0$ exogenous

Test for TSLS Wu- Waushan test 2 step CONSISAM in corsistant efficient) consistent Consistent endog. exoger.

