

DO FILE- AGRIC TRADE LIBERALISATION, RTAs AND AGRIC TECHICAL EFFICIENCY
SUBMITTED TO OUTLOOK on AGRICULTURE

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* (1) OPEN DATA INTO STATA*
* (a) Maize Data is Titled Maize Translog-Data*
* (b) Rice Data is Tiltle Rice Trandslog-Data*

* (2) To run the models type adopath + "STATA Location"..in my case the the path
is shown below*
adopath + "C:\Program Files (x86)\myado"

* (3) Globalise country dummies*
global dvar dum*

* (4) Declare Data to be Panel Data*
xtset cntr t, year

* (5) Globalise Frontier Translog Model explanatory variables*
global xvar lgarea lglab lgseed lgfert lgcap t t2 tlgarea tlglab tlgseed tlgfert
tlgcap

* (6) Model 1*
global zvar lgeffgap
sfmodel lgy, prod dist(h) frontier($xvar $dvar) usigmas($zvar) vsigmas()
sf_init, frontier(b0) usigmas(-0.1 -0.1 ) vsigmas(-0.1)
sf_srch, n(2) nograph fast
ml max, diff gtol(1e-4) nrtol(1e-4)

* (7) Model 2*
global zvar lgteff_1 lgtrade lgtradegap
sfmodel lgy, prod dist(h) frontier($xvar $dvar) usigmas($zvar) vsigmas()
sf_init, frontier(b0) usigmas(-0.1 -0.1 ) vsigmas(-0.1)
sf_srch, n(2) nograph fast
ml max, diff gtol(1e-4) nrtol(1e-4)

* (8) Model 3*
global zvar lgteff_1 eac ecowas comm sadc
sfmodel lgy, prod dist(h) frontier($xvar $dvar) usigmas($zvar) vsigmas()
sf_init, frontier(b0) usigmas(-0.1 -0.1 ) vsigmas(-0.1)
sf_srch, n(2) nograph fast
ml max, diff gtol(1e-4) nrtol(1e-4)

* (9) Model 4*
global zvar lgteff_1 lgtrade lgtradegap eac ecowas comm sadc rgl cp
sfmodel lgy, prod dist(h) frontier($xvar $dvar) usigmas($zvar) vsigmas()
sf_init, frontier(b0) usigmas(-0.1 -0.1 ) vsigmas(-0.1)
sf_srch, n(2) nograph fast
ml max, diff gtol(1e-4) nrtol(1e-4)

*****END OF DOFILE*****
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