

```

cap cd "Z:\"
cap log close
log using "Gallup_createmacro.log", text replace
clear
set mem 2000m
set more off
use gallup_work_inc.dta /*Don't use the original "file.dta" provided by Gallup */

foreach v of any sat yesterday feelings {
    unab `v'_local: `v'_*
    global `v' ``v'_local'
} /* Creates global variables list clusters of variables */
global feelingsyesterday $feelings $yesterday

* Macro regressions
egen t_cty=tag(cty)

xi i.cty
foreach v of global sat {
    desc `v'
    local lb: var lab `v'

    qui oprobit `v' _I* [pw=wt]
    predict `v'_hat if `v'~=., xb
    la var `v'_hat "Z: `lb'"
    summ `v'_hat [aw=wt]
    replace `v'_hat=`v'_hat-r(mean)
    oprobit `v' lgdp [pw=wt], cluster(cty)
    local beta=round(_b[lgdp],.01)
    local se=round(_se[lgdp],.01)
    reg `v'_hat lgdp if t_cty==1
    predict `v'_hat_fit
}

foreach v of global feelingsyesterday {
    desc `v'
    local lb: var lab `v'
    qui probit `v' _I* [pw=wt]
    predict `v'_hat if `v'~=., xb
    la var `v'_hat "Z: `lb'"
    qui reg `v' _I* [pw=wt]
    predict `v'_yes if `v'~=.,
    replace `v'_yes=`v'_yes*100
    la var `v'_yes "Percent Feeling `lb'"
}

reg sat_current _I* [pw=wt]
predict sat10 if sat_current~=.

* Create mld
reg ln_inc _I* [pw=wt] if ln_inc~=.
predict av_ln_inc if ln_inc~=.
reg inc _I* [pw=wt] if ln_inc~=.
predict av_inc if inc~=.
gen mld=ln(av_inc)-av_ln_inc
table cty, c(m mld)

cap drop *_fit
drop _I*
drop WP*
drop Inc*
drop wt
for X in varlist *_yes *_hat mld sat10: egen j=mean(X), by(cty) \ replace X=j \ drop j
egen n=count(id), by(cty)
keep if t_cty==1
desc
summ

```

```
for var sat_current sat_past sat_future: replace X=.
keep sat10 sat_current sat_past sat_future *_hat *_yes cty year n mld oecd gdp lgdp gdp*
lgdp*
sort cty year
save gallup_macro.dta, replace

log close
```