/// ====================================

/// = CLEANED ON 5-29-15 by PAUL GOREN =

/// ====================================

version 12.1

\*\*\*cd "H:\My Documents\Paper-PID IDEO\PRQ"

\*\*\*use "H:\My Documents\Paper-PID IDEO\PRQ\nes9092.dta", clear

cd "/Users/pchen/Dropbox/Research/Independent Research/Party ID and Ideology Paper/PRQ/"

use "/Users/pchen/Dropbox/Research/Independent Research/Party ID and Ideology Paper/PRQ/nes9092.dta", clear

/// ===================================================

/// = PART I: CODING OF ALL VARIABLES AND RELIABILITY =

/// = CALCULATIONS FOR OPERATIONAL IDEOLOGY AND PAD = =

/// ===================================================

/// COMPLEX SAMPLE VARIABLES

fre V923009

gen wt=V923009

label variable wt "sample weight"

generate stratum = floor(V923068/10)

generate clust = V923068 - stratum\*10

/// PID ALL YEARS

/// 1990

fre V900320

recode V900320 7/8=3 9=.n

gen pid90=V900320

label define PID 0 "Strong Democrat" 6 "Strong Republican" .i "inapp, no 92" .n "NA"

label variable pid90 "Party ID 1990"

label value pid90 PID

fre pid90

/// 1992

fre V923634

recode V923634 7/8=3 9=.

gen pid92=V923634

replace pid92=.i if V923068==0

label variable pid92 "Party ID 1992"

label value pid92 PID

fre pid92

// OPERATIONAL IDEOLOGY ALL YEARS

/// 1990

fre V900382

gen food90=V900382

recode food90 1=0 2=.5 3/7=1 8/9=.

label define OPIDEO 0 "more govt" 1 "less gov"

label value food90 OPIDEO

fre food90

fre V900386

gen blacks90=V900386

recode blacks90 1=0 2=.5 3/7=1 8/9=.

label value blacks90 OPIDEO

fre blacks90

fre V900385

gen child90=V900385

recode child90 1=0 2=.5 3/7=1 8/9=.

label value child90 OPIDEO

fre child90

fre V900380

gen soc90=V900380

recode soc90 1=0 2=.5 3/7=1 8/9=.

label value soc90 OPIDEO

fre soc90

fre V900384

gen home90=V900384

recode home90 1=0 2=.5 3/7=1 8/9=.

label value home90 OPIDEO

fre home90

fre V900452

gen gov90=V900452

replace gov90=(1-(gov90-1)/6)

replace gov90=. if V900452==0 | V900452==8 | V900452==9

label variable gov90 "gov services 90"

label define GOV 0 "more services" 1 "fewer services"

label value gov90 GOV

fre gov90

/// opideo90

/// use polychoric correlations to calculate ordinal alpha

/// use egen to capture cases lost to missing data for ideomiss < 3

polychoric food90 blacks90 child90 soc90 home90 gov90

display (6\*.408)/(1+.408\*5)

egen opideo90miss=rowmiss(food90 blacks90 child90 soc90 home90 gov90)

egen opideo90=rowmean(food90 blacks90 child90 soc90 home90 gov90) if opideo90miss<3

replace opideo90=opideo90\*6

label variable opideo90 "op ideo 90"

label define RESCALE 0 "more govt" 6 "less govt" .i "inapp, no 92"

label value opideo90 RESCALE

fre opideo90miss opideo90

/// 1992

fre V923725

gen food92=V923725

recode food92 1=0 2=.5 3/7=1 8/9=. 0=.

label value food92 OPIDEO

fre food92

fre V923729

gen blacks92=V923729

recode blacks92 1=0 2=.5 3/7=1 8/9=. 0=.

label value blacks92 OPIDEO

fre blacks92

fre V923813

gen child92=V923813

recode child92 1=0 2=.5 3/7=1 8/9=. 0=.

label value child92 OPIDEO

fre child92

fre V923811

gen soc92=V923811

recode soc92 1=0 2=.5 3/7=1 8/9=. 0=.

label value soc92 OPIDEO

fre soc92

fre V923730

gen home92=V923730

recode home92 1=0 2=.5 3/7=1 8/9=. 0=.

label value home92 OPIDEO

fre home92

fre V923701

gen gov92=V923701

replace gov92=(1-(gov92-1)/6)

replace gov92=. if V923701==0 | V923701==8 | V923701==9

label variable gov92 "gov services"

label value gov92 GOV

fre gov92

/// opideo92

egen opideo92miss=rowmiss(food92 blacks92 child92 soc92 home92 gov92)

egen opideo92=rowmean(food92 blacks92 child92 soc92 home92 gov92) if opideo92miss<3

replace opideo92=opideo92\*6

replace opideo92=.i if V923068==0

label variable opideo92 "op ideo 92"

label value opideo92 RESCALE

fre opideo92miss opideo92

/// CONTROLS

/// sex

fre V924201

gen sex=V924201

recode sex 1=0 2=1 0=.i

label variable sex "female dummy"

label define sex 1 "F" 0 "M" .i "inapp, no 92"

label value sex sex

fre sex

/// married

fre V923904

gen married=V923904

recode married 1=1 2/9=0 0=.i

label variable married "marriage dummy"

label define married 1 "Married" 0 "other" .i "inapp, no 92"

label value married married

fre married

/// black

fre V900549

gen black=V900549

recode black 1=0 2=1 3/9=0

label variable black "black dummy"

label define black 1 "black" 0 "non-black"

label value black black

fre black

/// college

fre V923908

gen college=V923908

recode college 6/7=1 0/5=0 98/99=0 0=.1

label define college 1 "college grad" 0 "not" .i "inapp, no 92"

label value college college

fre college

/// south

fre V923014

gen south=V923014

recode south 0=.i 1/2=0 3=1 4=0

label define south 1 "lives south 92" 0 "not in south" .i "inapp, no 92"

label value south south

fre south

/// =============================================================

/// = PART II: RUN OLS & EIV MODELS FOR TABLE 1 and APPENDIX B1 =

/// =============================================================

/// OLS and EIV estimates

/// use .863, from 1992-96-96 Wiley-Wiley model, wave 1, for PID reliability

/// use .805 estimate from above for opideo reliability

sum pid90 opideo90, d

svyset clust [pw=wt], strata(stratum) singleunit(certainty)

svy: regress opideo92 pid90 opideo90 sex married black college south

estimates store a1

margins, predict() at(pid90=(0(6)6)) post

estimates store b1

svy: regress pid92 pid90 opideo90 sex married black college south

estimates store a2

margins, predict() at(opideo90=(.33(3.84)4.17)) post

estimates store b2

eivreg opideo92 pid90 opideo90 sex married black college south, reliab(pid90 .8636 opideo90 .805)

estimates store a3

margins, predict() at(pid90=(0(6)6)) post

estimates store b3

eivreg pid92 pid90 opideo90 sex married black college south, reliab(pid90 .863 opideo90 .805)

estimates store a4

margins, predict() at(opideo90=(.33(3.84)4.17)) post

estimates store b4

esttab a1 a2 a3 a4 using "table1.rtf", replace b(2) se(2) star(+ 0.10 \* 0.05) r2(2) scalars(F)

esttab b1 b2 b3 b4 using "table1firstdiff.rtf", replace

regress opideo92 pid90 opideo90 sex married black college south [pw=wt], beta

estimates store c1

regress pid92 pid90 opideo90 sex married black college south [pw=wt], beta

estimates store c2

esttab c1 c2 using "beta1.rtf", replace beta(2)

/// ============================================================================

/// = PART III: RUN KNOWLEDGE INTERACTIONS FOR LOW V. HIGH KNOWLEDGE SUBJECTS =

/// = REPORT RESULTS IN APPENDIX B1 (KEY COEFFICIENTS ONLY, NO CONTROLS). =

/// ============================================================================

/// we run these using interviewer rating of respondent's level of info

/// in earlier iterations found the same results using facutual political info,

/// coding is simplier with interviewer rating, which is why we use this

/// used the 1992 Wiley-Wiley models to get pid error variance for each group

/// respondent level of info

fre V924205

gen highlevel92=V924205

recode highlevel92 1/2=1 3/5=0 0=.i

fre highlevel

/// need to get reliability estimates for operational ideology

/// polychoric food90 blacks90 child90 soc90 home90 gov90 if highlevel92==0

display (6\*.354)/(1+.354\*5)

/// polychoric food90 blacks90 child90 soc90 home90 gov90 if highlevel92==1

display (6\*.449)/(1+.449\*5)

/// OLS & EIV estimates

svy: regress opideo92 pid90 opideo90 sex married black college south if highlevel92==0

svy: regress opideo92 pid90 opideo90 sex married black college south if highlevel92==1

svy: regress pid92 pid90 opideo90 sex married black college south if highlevel92==0

svy: regress pid92 pid90 opideo90 sex married black college south if highlevel92==1

eivreg opideo92 pid90 opideo90 sex married black college south if highlevel92==0, reliab(pid90 .845 opideo90 .767)

eivreg opideo92 pid90 opideo90 sex married black college south if highlevel92==1, reliab(pid90 .925 opideo90 .830)

eivreg pid92 pid90 opideo90 sex married black college south if highlevel92==0, reliab(pid90 .845 opideo90 .767)

eivreg pid92 pid90 opideo90 sex married black college south if highlevel92==1, reliab(pid90 .925 opideo90 .830)

/// ====================================================================

/// = PART IV: RE-RUN MODELS WITH GROUP AFFECT IN THEM. =

/// ====================================================================

fre V900155 V900162

recode V900155 996/999=., gen(blackft90)

recode V900162 996/999=., gen(poorft90)

replace blackft90=(blackft90/100)\*6

replace poorft90=(poorft90/100)\*6

svyset clust [pw=wt], strata(stratum) singleunit(certainty)

svy: regress opideo92 pid90 opideo90 sex married black college south blackft90 poorft90

estimates store a1

margins, predict() at(pid90=(0(6)6)) post

estimates store b1

svy: regress pid92 pid90 opideo90 sex married black college south blackft90 poorft90

estimates store a2

margins, predict() at(opideo90=(.33(3.84)4.17)) post

estimates store b2

eivreg opideo92 pid90 opideo90 sex married black college south blackft90 poorft90, reliab(pid90 .8636 opideo90 .805 blackft90 .504 poorft90 .669)

estimates store a3

margins, predict() at(pid90=(0(6)6)) post

estimates store b3

eivreg pid92 pid90 opideo90 sex married black college south blackft90 poorft90, reliab(pid90 .863 opideo90 .805 blackft90 .504 poorft90 .669)

estimates store a4

margins, predict() at(opideo90=(.33(3.84)4.17)) post

estimates store b4

esttab a1 a2 a3 a4 using "table1AFFECT.rtf", replace b(2) se(2) star(+ 0.10 \* 0.05) r2(2) scalars(F)

esttab b1 b2 b3 b4 using "table1firstdiffAFFECT.rtf", replace

/// ============================================================

/// = PART Vi: RE-RUN MODELS WITH EQUAL OPPORTUNITY ITEMS IN =

/// = THE MODELS. =

/// ============================================================

fre V900426 V900427 V900428 V900429 V900430 V900431

recode V900426 0=. 5=1 4=2 2=4 1=5 8/9=., gen(eo1)

recode V900427 0=. 8/9=., gen(eo2)

recode V900428 0=. 5=1 4=2 2=4 1=5 8/9=., gen(eo3)

recode V900429 0=. 8/9=., gen(eo4)

recode V900430 0=. 8/9=., gen(eo5)

recode V900431 0=. 5=1 4=2 2=4 1=5 8/9=., gen(eo6)

alpha eo1 eo2 eo3 eo4 eo5 eo6

gen equalopp90=(eo1+eo2+eo3+eo4+eo5+eo6-6)/24

fre equalopp90

replace equalopp90=equalopp90\*6

fre equalopp90

svyset clust [pw=wt], strata(stratum) singleunit(certainty)

svy: regress opideo92 pid90 opideo90 sex married black college south equalopp90

estimates store a1

margins, predict() at(pid90=(0(6)6)) post

estimates store b1

svy: regress pid92 pid90 opideo90 sex married black college south equalopp90

estimates store a2

margins, predict() at(opideo90=(.33(3.84)4.17)) post

estimates store b2

eivreg opideo92 pid90 opideo90 sex married black college south equalopp90, reliab(pid90 .8636 opideo90 .805 equalopp90 .6142)

estimates store a3

margins, predict() at(pid90=(0(6)6)) post

estimates store b3

eivreg pid92 pid90 opideo90 sex married black college south equalopp90, reliab(pid90 .863 opideo90 .805 equalopp90 .6142)

estimates store a4

margins, predict() at(opideo90=(.33(3.84)4.17)) post

estimates store b4

esttab a1 a2 a3 a4 using "table1EQUAL.rtf", replace b(2) se(2) star(+ 0.10 \* 0.05) r2(2) scalars(F)

esttab b1 b2 b3 b4 using "table1firstdiffEQUAL.rtf", replace

/// ===============================================================

/// = RE-RUN AS ORDERED LOGIT AND CREATE PREDICTED PROBABILITIES. =

/// ===============================================================

fre pid92

recode pid92 0/2=0 3=1 4/6=2, gen(pid92\_3)

sum opideo90 //mean 2.08 sd 1.19

display 2.08-1.19

display 2.08+1.19

display 1.19+1.19

svyset clust [pw=wt], strata(stratum) singleunit(certainty)

sum pid90

svy: ologit pid92\_3 pid90 opideo90 sex married black college south

prchange opideo90, x(sex=1 married=1 black=0 college=0 south=0)

margins, predict(outcome(0)) at(opideo90=(.33(3.84)4.17) sex=1 married=1 black=0 college=0 south=0) atmeans // 5-95

margins, predict(outcome(2)) at(opideo90=(.33(3.84)4.17) sex=1 married=1 black=0 college=0 south=0) atmeans // 5-95

margins, predict(outcome(0)) at(opideo90=(.89(2.38)3.27) sex=1 married=1 black=0 college=0 south=0) atmeans // 2 sd

margins, predict(outcome(2)) at(opideo90=(.89(2.38)3.27) sex=1 married=1 black=0 college=0 south=0) atmeans // 2 sd

/// ====================================================================

/// = RE-RUN MODELS WITH GROUP AFFECT IN THEM AND KNOWLEDGE =

/// ====================================================================

svyset clust [pw=wt], strata(stratum) singleunit(certainty)

svy: regress opideo92 pid90 opideo90 sex married black college south blackft90 poorft90 if highlevel92==0

svy: regress pid92 pid90 opideo90 sex married black college south blackft90 poorft90 if highlevel92==0

svy: regress opideo92 pid90 opideo90 sex married black college south blackft90 poorft90 if highlevel92==1

svy: regress pid92 pid90 opideo90 sex married black college south blackft90 poorft90 if highlevel92==1

eivreg opideo92 pid90 opideo90 sex married black college south blackft90 poorft90 if highlevel92==0, reliab(pid90 .845 opideo90 .703 blackft90 .504 poorft90 .690)

eivreg pid92 pid90 opideo90 sex married black college south blackft90 poorft90 if highlevel92==0, reliab(pid90 .845 opideo90 .703 blackft90 .504 poorft90 .690)

eivreg opideo92 pid90 opideo90 sex married black college south blackft90 poorft90 if highlevel92==1, reliab(pid90 .925 opideo90 .800 blackft90 .598 poorft90 .629)

eivreg pid92 pid90 opideo90 sex married black college south blackft90 poorft90 if highlevel92==1, reliab(pid90 .925 opideo90 .800 blackft90 .598 poorft90 .629)

alpha eo1 eo2 eo3 eo4 eo5 eo6 if highlevel92==0

alpha eo1 eo2 eo3 eo4 eo5 eo6 if highlevel92==1

svy: regress opideo92 pid90 opideo90 sex married black college south equalopp90 if highlevel92==0

svy: regress pid92 pid90 opideo90 sex married black college south equalopp90 if highlevel92==0

svy: regress opideo92 pid90 opideo90 sex married black college south equalopp90 if highlevel92==1

svy: regress pid92 pid90 opideo90 sex married black college south equalopp90 if highlevel92==1

eivreg opideo92 pid90 opideo90 sex married black college south equalopp90 if highlevel92==0, reliab(pid90 .845 opideo90 .703 equalopp90 .511)

eivreg pid92 pid90 opideo90 sex married black college south equalopp90 if highlevel92==0, reliab(pid90 .845 opideo90 .703 equalopp90 .511)

eivreg opideo92 pid90 opideo90 sex married black college south equalopp90 if highlevel92==1, reliab(pid90 .925 opideo90 .800 equalopp90 .706)

eivreg pid92 pid90 opideo90 sex married black college south equalopp90 if highlevel92==1, reliab(pid90 .925 opideo90 .800 equalopp90 .706)

/// =============================

/// = CALCULATE MISSING OP IDEO =

/// =============================

fre opideo90miss

fre opideo92miss if V923730!=0

display (13+9+6+13)/1980 //2.01%

display (9+4+4+3)/1359 //1.47%

/// ==========================================================

/// = CALCULATE CORRELATION BETWEEN SYMBOLIC AND OPERATIONAL =

/// ==========================================================

fre V900406 V923509

gen syideo90=V900406

recode syideo90 0=. 8/9=.

replace syideo90=(syideo90-1)/6

gen syideo92=V923509

recode syideo92 0=. 8/9=.

replace syideo92=(syideo92-1)/6

fre syideo\*

corr opideo90 syideo90 //0.3067

corr opideo92 syideo92 //0.3456