```
* DATA MANAGEMENT

gen male = zf02m1==1
gen age5 = age==5
gen birthweight = zhs03a / 1000
replace birthweight = . if birthweight<0
gen intcarebirth = zhs05a==1
gen gestationwks = zhs04a
gen prem = 0
replace prem = 1 if gestationwks>-1 & gestationwks<=37
gen multbirth = zhs06>=2
gen medicine = 0 if chs14a>-1
replace medicine = 1 if chs14a==1
gen nyoungsib = cnyngsib
gen noldsib = cnoldsib
gen mage = cf03cm
recode mage (-9=0) (-3=0) (.=0)
gen mdegree = cfd08m3a==1 | cfd08m3a==2 | cfd08m3a==3
gen mdipcert = cfd08m3a==4 | cfd08m3a==5
gen mdiploma = cfd08m3a==4
gen mcert = cfd08m3a==5
gen myear12only = cfd08m1==1 & (mdegree==0 & mdipcert==0)
gen mcobaus = zf09cm==1101
gen mpoorhlth = chs13m==4 | chs13m==5
gen singmoth = cfath==0
gen fworkft = cfwork==1
gen fworkpt = cfwork==2
gen fwinc = 0 if cfn09f<0
replace fwinc = cfn09f if cfn09f>=0
replace fwinc = fwinc/100
gen fpoorhlth = chs13f==4 | chs13f==5
rename cpc06a4 caretype
gen preschool1 = caretype>=2 & caretype<=3
gen preschool2 = caretype>=4 & caretype<=5
gen preschool3 = caretype>=6 & caretype<=6
gen lefthanded = cid24c==2
gen bothhanded = cid24c==3 | cid24c==-2
gen handedmissing = cid24c<=-3 | cid24c==.
gen righthanded = lefthanded==0 & bothhanded==0 & handedmissing==0
drop if handedmissing==1
gen mwork = 0 if mworkft!=.
replace mwork = 1 if mworkft==1 | mworkpt==1
gen fwork = 0 if fworkft!=.
replace fwork = 1 if fworkft==1 | fworkpt==1
gen mlfp = 0 if mworkft!=.
replace mlfp = 1 if mworkft==1
replace mlfp = 1 if mworkpt==1
replace mlfp = 1 if munemp==1
gen mage2 = (mage^2)/100
rename ccnfsad advantageindex
replace advantageindex = advantageindex/100
rename cgd05a tsocemot
replace tsocemot = .  if tsocemot<0
rename cgd05b tlearning
replace tlearning = .  if tlearning<0
rename cgd05c tgrsmotor
replace tgrsmotor = .  if tgrsmotor<0
rename cgd05d tfinemotor
replace tfinemotor = .  if tfinemotor<0
rename cgd05e texplang
replace texplang = .  if texplang<0
rename cgd05f treclang
replace treclang = .  if treclang<0

global xvar1 male age5 birthweight intcarebirth prem multbirth medicine
noldsib nyoungsib preschool1 preschool2 preschool3 mage mage2 mdegree
mdipcert myear12only mcobaus
global xvar2 male age5 birthweight intcarebirth prem multbirth medicine
noldsib nyoungsib preschool1 preschool2 preschool3 mage mage2 mdegree
```

```
mdipcert myear12only mcobaus mpoorhlth advantageindex singmoth fworkft
fworkpt fwinc fpoorhlth

*****************************************************************************
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* DEFINE OUTCOME MEASURE

gen poorgmotor = 0 if tgrsmotor!=.
replace poorgmotor = 1 if tgrsmotor>=3 & tgrsmotor<=4
gen poorrlang = 0 if treclang!=.
replace poorrlang = 1 if treclang>=3 & treclang<=4
gen poorfmotor = 0 if tfinemotor!=.
replace poorfmotor = 1 if tfinemotor>=3 & tfinemotor<=4
gen poorlearn = 0 if tlearning!=.
replace poorlearn = 1 if tlearning>=3 & tlearning<=4
gen poorelang = 0 if texplang!=.
replace poorelang = 1 if texplang>=3 & texplang<=4
gen pooremot = 0 if tsocemot!=.
replace pooremot = 1 if tsocemot>=3 & tsocemot<=4

* tdevelop = number of skills in which the child is less compotent than
others
egen tdevelop = rowtotal(poorgmotor poorrlang poorfmotor poorlearn
pooremot)
replace tdevelop = . if tsocemot==.

* tdevelop2 = principal component of five measures - mean zero, sd one
factor tsocemot tlearning tgrsmotor tfinemotor treclang
predict tdevelop2
sum tdevelop2
replace tdevelop2 = (tdevelop2/r(sd))

*****************************************************************************
********************************

* Table 1

local varlist mlfp tdevelop lefthanded bothhanded $xvar2 preschool1
preschool2 preschool3 mworkpreg injuries
foreach k of local varlist {
quietly reg `k' if tdevelop!=.
display in yellow "`k'" _column(20) _b[_cons] _column(45) _se[_cons]
}

gen temp = 1 - mlfp
local varlist mlfp tdevelop lefthanded bothhanded $xvar2 preschool1
preschool2 preschool3 mworkpreg injuries
foreach k of local varlist {
quietly reg `k' temp mlfp if tdevelop!=., nocons
display in yellow "`k'" _column(20) _b[temp] _column(35) _se[temp]
_column(50) _b[mlfp] _column(65) _se[mlfp]
}

*****************************************************************************
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* Table 2

* 1)
reg mlfp tdevelop $xvar1

* 2)
reg mlfp left both $xvar1 if tdevelop!=.

* 3)
reg tdevelop left both $xvar1

* 4)
ivreg2 mlfp $xvar1 (tdevelop = left both)
```

```
* 5)
ivprobit mlfp $xvar1 (tdevelop = left both)
mfx compute, predict(p) force

*****************************************************************************
********************************

* Table 3

* 1)
reg mworkpreg left both $xvar1 if tdevelop!=.

* 2)
reg mworkpreg tdevelop $xvar1

* 3)
reg medicine left both male age5 birthweight intcarebirth prem multbirth
noldsib nyoungsib preschool1 preschool2 preschool3 mage mage2 mdegree
mdipcert myear12only mcobaus if tdevelop!=.

* 4)
reg injuries left both male age5 birthweight intcarebirth prem multbirth
noldsib nyoungsib preschool1 preschool2 preschool3 mage mage2 mdegree
mdipcert myear12only mcobaus if tdevelop!=.

* 5)
ivreg2 mlfp $xvar1 (tdevelop = left) if both==0

* 6)
ivreg2 mlfp $xvar2 (tdevelop = left both)

* 7)
ivreg2 mlfp $xvar1 (tdevelop2 = left both)

*****************************************************************************
********************************
```