**Creation of many variables**

gen lBJDrop = log(1+ BJDrop)

replace SlotsTotal = 0 in 2320

drop lBJDrop

gen lBJDrop = log(1+ BJDrop)

drop lBJDrop

gen lBJDrop = log(1+ BJDrop)

xtreg lBJDrop lretailsales, r

xtreg BJDrop lretailsales, r

xtreg lBJDrop lmedicalsales, r

xtreg lBJDrop lmedicalsales, fe r

xtreg lBJDrop lretailsales , re r

xtreg lBJDrop lretailsales, r

xtreg lBJDrop lretailsales

gen lGamingTaxes = log(1+GamingTaxes )

xtreg lGamingTaxes lretailsales

xtreg lGamingTaxes lretailsales, r

xtreg lGamingTaxes lretailsales, fe r

gen lHBDrop = log(1+ HBDrop )

xtreg lHBDrop lretailsales, fe r

xtreg lHBDrop lretailsales, r

gen lCrapsDrop = log(1+ CrapsDrop )

xtreg lCrapsDrop lretailsales, r

gen lAGPCraps = log(1+ AGPCraps )

xtreg lAGPCraps lretailsales, r

xtreg lAGPCraps lretailsales, fe r

xtreg lCrapsDrop lretailsales, fe r

gen lAGPBJ = log(1+ AGPBJ )

xtreg lCrapsDrop lretailsales, r

xtreg lBJDrop lretailsales, r

xtreg lAGPBJ lretailsales, r

gen lAGPHBP = log(1+ AGPHBP )

xtreg lAGPHBP lretailsales, r

xtreg lAGPHBP lretailsales, fe r

gen lAGPST = log(1+ AGPST )

Deleting most observations: keeping only observations with positive retail sales and positive gaming taxes.:

graph twoway (lfitci lCrapsDrop lretailsales ) (scatter lCrapsDrop lretailsales )

preserve

drop if lretailsales==0

graph twoway (lfitci lCrapsDrop lretailsales ) (scatter lCrapsDrop lretailsales )

restore

preserve

drop if GamblingTaxes==0

drop if GamingTaxes==0

graph twoway (lfitci lCrapsDrop lretailsales ) (scatter lCrapsDrop lretailsales )

drop if lretailsales==0

graph twoway (lfitci lCrapsDrop lretailsales ) (scatter lCrapsDrop lretailsales )

graph export "C:\Users\jgoldh01\Downloads\Lcrapsdrops and lretail sales.png", as(png) replace

xtreg lCrapsDrop lretailsales, r

xtreg lCrapsDrop lretailsales i.county, r

xtreg lCrapsDrop lretailsales i.county, fe r

xtreg lCrapsDrop lretailsales, fe r

xtreg lCrapsDrop lretailsales, fe

estimates store fixed

xtreg lCrapsDrop lretailsales, re

estimates store random

hausman fixed random

via this I should use fixed effects if only doing two counties. Random effects if doingmany counties.

**Creation of many gambling log variables: 2/18/19**

* Notice the missing values generated is a result of there being negative values for some of the Average Gross Payout variables. Need to understand what to do here. Why are there negatives?
  + LAGPR
  + LAGPHDS
  + LAGP5D
  + LAGP2D
  + LAGP50
  + LAGP10

use "C:\Users\jgoldh01\Downloads\Stata with distances to cities.dta"

. gen lCoinsInST= log(1+ CoinsInST)

. gen lCoinsIn1 = log(1+ CoinsIn1)

. gen lAGP1 = log(1+ AGP1)

. gen lCoinsIn5= log(1+ CoinsIn5)

. gen lAGP5= log(1+ AGP5)

. gen lCoinsIn10 = log(1+ CoinsIn10)

. **gen lAGP10 = log(1+ AGP10)**

**(11 missing values generated)**

. gen lCoinsIn25 = log(1+ CoinsIn25)

. gen lAGP25= log(1+ AGP25)

. gen lCoinsIn50 = log(1+ CoinsIn50)

**. gen lAGP50 = log(1+ AGP50)**

**(2 missing values generated)**

. gen lCoinsIn1D = log(1+ CoinsIn1D)

. gen lAGP1D=log(1+ AGP1D)

. gen lCoinsIn2D= log(1+ CoinsIn2D)

. **gen lAGP2D = log(1+ AGP2D)**

**(6 missing values generated)**

. gen lCoinsIn5D = log(1+ CoinsIn5D)

. **gen lAGP5D= log(1+ AGP5D)**

**(4 missing values generated)**

. gen lCoinsInHDS= log(1+ CoinsInHDS)

. **gen lAGPHDS = log(1+ AGPHDS)**

**(29 missing values generated)**

. gen lCoinsInMDS = log(1+ CoinsInMDS)

. gen lAGPMDS= log(1+ AGPMDS)

. gen lAGPTG=log(1+ AGPTG)

. gen lAGPPBP=log(1+ AGPPBP)

. gen lRouletteDrop= log(1+ RouletteDrop)

. **gen lAGPR = log(1+ AGPR)**

**(1 missing value generated)**

. \*(2 variables, 2835 observations pasted into data editor)

. gen lTotalAGP= log(1+ TotalAGP)

Regressions:

xtreg lBJDrop distancetoBH distancetoCriC interactionrsalesonDtoBH interactionrsalesonDtoCriC , r fe

xtreg lBJDrop lretailsales interactionrsalesonDtoBH interactionrsalesonDtoCriC , r fe

xtreg lAGPCraps lretailsales, r

xtreg lAGPCraps lretailsales, r fe

xtreg lAGPCraps lretailsales distancetoBH , r fe

xtreg lAGPCraps lretailsales distancetoBH , r

xtreg lBJDrop lretailsales distancetoBH , r fe

xtreg lTotalAGP interactionrsalesonDtoBH interactionrsalesonDtoCriC , r fe

xtreg lHBDrop interactionrsalesonDtoBH interactionrsalesonDtoCriC , r fe

xtreg lCrapsDrop interactionrsalesonDtoBH interactionrsalesonDtoCriC , r fe

reg lCrapsDrop interactionrsalesonDtoBH, r

reg lBJDrop interactionrsalesonDtoBH interactionrsalesonDtoCriC , r

reg lCrapsDrop interactionrsalesonDtoCriC interactionrsalesonDtoBH, r

**To create gambling observations for counties from city data.**

* This is not yet engineering the reduced gambling metric per county.

generate BJDropCriC\_ref = BJDrop if GEOID == 8119 & dumtime==1

bysort time (BJDropCriC\_ref): replace BJDropCriC\_ref = BJDropCriC\_ref[1]

gsort time county

sort county time

recast double BJDropCriC\_ref

generate BJDropCenC\_ref = BJDrop if GEOID == 8019 & dumtime==1

bysort time (BJDropCenC\_ref): replace BJDropCenC\_ref = BJDropCenC\_ref[1]

gsort time county

sort county time

recast double BJDropCenC\_ref

TTests for differences in means and figuring out significance of the differences: Good for BH and no other city basically

sum BJDrop if BJDrop>0 & time>162 & GEOID==8019

sum BJDrop if BJDrop>0 & time>114 & time<163 & GEOID==8019

ttesti 59 916982 98845 48 953318 184445, unequal

ttesti 59 916982 98845 50 935639 200997, unequal

sum BJDrop if BJDrop>0 & time>162 & GEOID==8119

sum BJDrop if BJDrop>0 & time>114 & time<163 & GEOID==8119

ttesti 59 916982 98845 48 953318 184445

sum BJDrop if BJDrop>0 & time>162

sum BJDrop if BJDrop>0 & time>114 & time<163

ttesti 177 5503308 5741405 144 4914277 4847707

**TO DO A BUNCH OF DID REGRESSIONS AND A LOT OF REGRESSIONS THAT I CAN USE FOR THESIS**

xtreg BJDropBH\_ref retailsales BJTablesBH\_ref time if time>162 & distancetoBH<40, fe r

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & distancetoBH<40, fe r

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if BJDrop>0 & time>162 & distancetoBH<40, fe r

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref if BJDrop>0 & time>162 & distancetoBH<40, fe r

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref if retailsales>0 & time>162 & distancetoBH<40, fe r

xtreg lBJDropBH\_ref lmedicalsales BJTablesBH\_ref if medicalsales>0 & time>162 & distancetoBH<40, fe r

xtreg lBJDropBH\_ref lmedicalsales BJTablesBH\_ref time if medicalsales>0 & time>162 & distancetoBH<40, fe r

reg CrapsDropCriC\_ref retailsales if retailsales>0 & time>162 & distancetoCriC<40, r

xtreg CrapsDropCriC\_ref retailsales if retailsales>0 & time>162 & distancetoCriC<40, r fe

reg BJDrop dumBJ dumtime did

reg BJDrop dumBJ dumtime did if time>112, r

reg BJDrop dumBJ dumtime did if time>112 & BJDrop>0, r

xtreg BJDrop dumBJ dumtime did if time>112 & BJDrop>0, r fe

gen dumBH = (city==BlackHawk)

gen dumBH = (city=="Black Hawk")

drop did

gen did = dumBH\*dumtime

reg BJDrop dumBH dumtime did if time>112 & BJDrop>0, r

mean BJDrop if time>112 & time<163 & dumBH==0

twoway scatter (BJDrop time) if BJDrop>0

twoway scatter (CoinsInST time) if CoinsInST>0

twoway scatter (CoinsInSTPC time) if CoinsInSTPC >0

xtreg BJDrop dumBH dumtime did if time>112 & BJDrop>0, r fe

gen dumBHCen = (city=="Black Hawk", "Central City")

drop dumBHCen

gen dumBHCen = (city=="Black Hawk" or "Central City")

drop dumBHCen

gen dumBHCen = 0

replace dumBHCen = 1 if city== "Black Hawk"

replace dumBHCen = 1 if city== "Central City"

reg BJDrop dumBHCen dumtime did if time>112 & BJDrop>0, r

gen didBHCen = dumBHCen\*dumtime

reg BJDrop dumBHCen dumtime didBHCen if time>112 & BJDrop>0, r

xtreg BJDrop dumBHCen dumtime didBHCen if time>112 & BJDrop>0, r fe

reg lBJDrop dumBHCen dumtime didBHCen if time>112 & BJDrop>0, r

reg lBJDrop dumBH dumtime did if time>112 & BJDrop>0, r

reg lCoinsInST dumBH dumtime did if time>112 & CoinsInST>0, r

reg lCoinsInST dumBHCen dumtime didBHCen if time>112 & CoinsInST>0, r

twoway scatter (BJDrop time) if BJDrop>0

twoway scatter (BJDrop time) if BJDrop>0 & time>112

xtreg BJDropCriC\_ref retailsales if time>162 & retailsales>0 & distancetoCriC<40, fe r

xtreg BJDropCriC\_ref retailsales if time>162 & retailsales>0 & distancetoCriC<60, fe r

reg BJDropCriC\_ref retailsales if time>162 & retailsales>0 & GEOID==8047, r

reg lBJDropBH\_ref lretailsales if time>162 & retailsales>0 & GEOID==8047, r

reg lBJDropBH\_ref lretailsales if time>162 & retailsales>0 & distancetoBH<40, r

xtreg lBJDropBH\_ref lretailsales if time>162 & retailsales>0 & distancetoBH<40 , r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<40 , r fe

reg lBJDropBH\_ref lretailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<40, r

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<40, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<20, r fe

xtreg BJDropBH\_ref retailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<20, r fe

xtreg BJDropBH\_ref medicalsales BJTablesBH\_ref if time>162 & medicalsales>0 & distancetoBH<20, r fe

xtreg BJDropBH\_ref medicalsales BJTablesBH\_ref if time>162 & medicalsales>0 & distancetoBH<30, r fe

reg BJDropBH\_ref retailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<20, r

reg BJDropBH\_ref retailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<30, r

reg BJDropBH\_ref retailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<40, r

xtreg BJDropBH\_ref retailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<40, r fe

xtreg BJDropBH\_ref retailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg BJDropBH\_ref retailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<20, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<40, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref if time>162 & retailsales>0 & distancetoBH<20, r fe

corr medicalsales retailsales

corr medicalsales retailsales if time>162

corr medicalsales retailsales if time>162 & retailsales>0 & medicalsales>0

corr medicalsales retailsales time if time>162 & retailsales>0 & medicalsales>0

generate RTablesBH\_ref = RouletteTables if GEOID == 8047 & dumtime==1

bysort time (RTablesBH\_ref): replace RTablesBH\_ref = RTablesBH\_ref[1]

gsort time county

sort county time

recast double RTablesBH\_ref

generate RTablesCenC\_ref = RouletteTables if GEOID == 8019 & dumtime==1

bysort time (RTablesCenC\_ref): replace RTablesCenC\_ref = RTablesCenC\_ref[1]

gsort time county

sort county time

recast double RTablesCenC\_ref

twoway scatter (RouletteDrop time) if BJDrop>0 & GEOID==8119

twoway scatter (RouletteDrop time) if RouletteDrop>0 & GEOID==8119

twoway scatter (RouletteDrop time) if RouletteDrop>0 & GEOID==8119

twoway scatter (RouletteDrop time) if RouletteDrop>0

twoway scatter (RouletteDrop time) if RouletteDrop>0 & GEOID==8119

twoway scatter (BJDrop time) if RouletteDrop>0 & GEOID==8119

twoway scatter (BJDropPC time) if RouletteDrop>0 & GEOID==8119

gen BJDropPerTable= BJDrop/BJTables

twoway scatter (BJDropPerTable time) if RouletteDrop>0 & GEOID==8119

twoway scatter (BJDropPC time) if RouletteDrop>0 & GEOID==8019

twoway scatter (BJDropPerTable time) if RouletteDrop>0 & GEOID==8019

twoway scatter (BJDropPerTable time) if RouletteDrop>0 & GEOID==8047

twoway scatter (BJDropPerTable time) if time>112 & GEOID==8047

twoway scatter (BJDropPerTable time) if time>100 & GEOID==8047

twoway scatter (BJDropPerTable time) if time>100 & GEOID==8019

ac BJDropPerTable if time>110 & GEOID==8019

twoway scatter (BJDropPerTable time) if time>100 & GEOID==8019

reg BJDropPerTable retailsales if time>162 & GEOID==8047, r

reg BJDrop retailsales BJTablesBH\_ref if time>162 & GEOID==8047, r

reg BJDropPerTable retailsales BJTablesBH\_ref if time>162 & GEOID==8047, r

generate BJDropPerTableBH\_ref = BJDropPerTable if GEOID == 8047 & dumtime==1

bysort time (BJDropPerTableBH\_ref): replace BJDropPerTableBH\_ref = BJDropPerTableBH\_ref[1]

gsort time county

sort county time

recast double BJDropPerTableBH\_ref

xtreg BJDropPerTableBH\_ref retailsales if time>162 & distancetoBH<30, r fe

reg BJDropPerTable retailsales if time>162 & GEOID==8047, r

reg BJDropPerTableBH\_ref retailsales if time>162 & GEOID==8045, r

reg BJDropPerTableBH\_ref retailsales if time>162 & county1=="El Paso", r

reg BJDropPerTableBH\_ref medicalsales if time>162 & county1=="El Paso", r

mean BJTables if time>162 & GEOID==8047

reg BJDrop retailsales if time>162 & GEOID==8047, r

reg BJDrop retailsales BJTablesBH\_ref if time>162 & GEOID==8047, r

reg BJDropPerTable retailsales if time>162 & GEOID==8047, r

reg BJDrop retailsales BJTablesBH\_ref time if time>162 & GEOID==8047, r

xtreg BJDrop retailsales BJTablesBH\_ref time if time>162 & distancetoBH<30, r fe

xtreg BJDropBH\_ref retailsales BJTablesBH\_ref time if time>162 & distancetoBH<30, r fe

xtreg BJDropBH\_ref retailsales BJTablesBH\_ref time if time>162 & distancetoBH<30 & retailsales>0, r fe

xtreg BJDropBH\_ref retailsales BJTablesBH\_ref time if time>162 & distancetoBH<25 & retailsales>0, r fe

xtreg BJDropBH\_ref retailsales BJTablesBH\_ref time if time>162 & distancetoBH<20 & retailsales>0, r fe

xtreg BJDropBH\_ref retailsales BJTablesBH\_ref time if time>162 & distancetoBH<40 & retailsales>0, r fe

xtreg RouletteDropBH\_ref retailsales RTablesBH\_ref time if time>162 & distancetoBH<40 & retailsales>0, r fe

xtreg RouletteDropCenC\_ref retailsales RTablesCenC\_ref time if time>162 & distancetoCenC<40 & retailsales>0, r fe

xtreg RouletteDropCenC\_ref retailsales RTablesCenC\_ref time if time>162 & distancetoCenC<30 & retailsales>0, r fe

xtreg RouletteDropCenC\_ref retailsales RTablesCenC\_ref time if time>162 & distancetoCenC<20 & retailsales>0, r fe

**Dummy variables and a lot of final regressions:**

reg RouletteDrop dumCen dumtime interactionCen if time>109 & BJDrop>0, r

reg RouletteDrop dumCen dumtime interactionCen if time>109 & RouletteDrop>0, r

reg RouletteDrop dumBH1 dumtime interactionBH1 if time>109 & RouletteDrop>0, r

twoway scatter (RouletteDrop time) if RouletteDrop>0 & time>110

mean RouletteDrop if GEOID==8019

mean RouletteDrop if GEOID==8047

mean RouletteDrop if GEOID==8119

mean RouletteDrop if GEOID==8119 & time>110

mean RouletteDrop if GEOID==8019 & time>110

mean RouletteDrop if GEOID==8047 & time>110

xtreg RouletteDrop dumBH1 dumtime interactionBH1 if time>109 & RouletteDrop>0, r fe

reg RouletteDrop dumBH1 dumtime interactionBH1 if time>109 & RouletteDrop>0, r

reg CrapsDrop dumBH1 dumtime interactionBH1 if time>109 & CrapsDrop>0, r

reg HBDrop dumBH1 dumtime interactionBH1 if time>109 & HBDrop>0, r

reg CoinsInST dumBH1 dumtime interactionBH1 if time>109 & CoinsInST>0, r

twoway scatter (CoinsInST time) if CoinsInST>0 & time>110

reg CoinsInST interactionBH1 if time>109 & CoinsInST>0, r

reg RouletteDrop dumCen dumtime interactionCen if time>109 & BJDrop>0, r

reg BJDrop dumCen dumtime interactionCen if time>109 & BJDrop>0, r

reg CrapsDrop dumCen dumtime interactionCen if time>109 & CrapsDrop>0, r

reg HBDrop dumCen dumtime interactionCen if time>109 & HBDrop>0, r

reg CoinsInST dumCen dumtime interactionCen if time>109 & CoinsInST>0, r

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & distancetoBH<30, r

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & distancetoBH<30, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<10, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<20, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<15, r fe

reg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<10, r fe

reg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<10, r

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<15, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<40, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<50, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<60, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<40, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<20, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<15, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<40, r fe

xtreg lBJDropBH\_ref lretailsales lmedicalsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<20, r fe

xtreg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<20, r fe

xtreg lBJDropBH\_ref lretailsales lmedicalsales BJTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lRouletteDropBH\_ref lretailsales RTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<15, r fe

xtreg lRouletteDropBH\_ref lretailsales time if time>162 & retailsales>0 & distancetoBH<15, r fe

xtreg lRouletteDropBH\_ref lretailsales RTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<20, r fe

xtreg lRouletteDropBH\_ref lretailsales RTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lRouletteDropBH\_ref lretailsales RTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<40, r fe

xtreg lRouletteDropBH\_ref lretailsales time if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lCrapsDropBH\_ref lretailsales CrapsTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<15, r fe

xtreg lCrapsDropBH\_ref lretailsales CrapsTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<20, r fe

xtreg lCrapsDropBH\_ref lretailsales CrapsTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lCrapsDropBH\_ref lretailsales CrapsTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<40, r fe

xtreg lHBDropBH\_ref lretailsales HBPokerTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<15, r fe

xtreg lHBDropBH\_ref lretailsales HBPokerTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<20, r fe

xtreg lHBDropBH\_ref lretailsales HBPokerTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lHBDropBH\_ref lretailsales HBPokerTablesBH\_ref time if time>162 & retailsales>0 & distancetoBH<40, r fe

xtreg lCoinsinSTBH\_ref lretailsales SlotsTotalBH\_ref time if time>162 & retailsales>0 & distancetoBH<15, r fe

xtreg lCoinsinSTBH\_ref lretailsales SlotsTotalBH\_ref time if time>162 & retailsales>0 & distancetoBH<20, r fe

xtreg lCoinsinSTBH\_ref lretailsales SlotsTotalBH\_ref time if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lCoinsinSTBH\_ref lretailsales time if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lCoinsinSTBH\_ref lretailsales SlotsTotalBH\_ref time if time>162 & retailsales>0 & distancetoBH<30, r fe

xtreg lCoinsinSTBH\_ref lretailsales SlotsTotalBH\_ref time if time>162 & retailsales>0 & distancetoBH<40, r fe

Individual county regressions for Black Hawk BJDrop

reg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if GEOID==8013 & retailsales>0, r

reg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if GEOID==8031 & retailsales>0, r

reg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if GEOID==8047 & retailsales>0, r

reg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if GEOID==8049 & retailsales>0, r

reg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if GEOID==8059 & retailsales>0, r

reg lBJDropBH\_ref lretailsales BJTablesBH\_ref time if GEOID==8117 & retailsales>0, r

Graphs:

graph twoway (lfit TotalBJDrop time if time<163) (lfit TotalBJDrop time if time>162)(scatter TotalBJDrop time) ( lfit TotalBJDropm0 time) (lfit TotalBJDropm time)

Graph x spacing= 110 - 08/2009 138- 12/2011 166 - 04/2014 194 - 08/2016 221 - 11/2018

Legend: key sequence down first

tabstat retailsales, s(mean sd) by (county1) nototal format (%10.0g)

For sum stats

xtreg lTotalAGPBJ lretailsales lTotalBJDrop time TotalBJTables [aweight=TotPopulation2010], r fe

To see how cannabis impacts proceeds from gambling