This Stata do file contains the Food and Grocery Expenditure panel regression models presented in G.F.Barrett and M.Brzozowski (2012) "Food Expenditure and Involuntary Retirement: Resolving the Retirement-Consumnption Puzzle," AJAE.

The data source for the analysis is the Household, Income and Labour Dynamics in Australia (HILDA) Survey. The data can be accessed under license from MIAESR, see http://melbourneinstitute.com/hilda/

The analysis in the article is based on HILDA Survey Release 7.0

The following table provides the concordance between the variable names as used in this do file and the original HILDA data variable labels

<table>
<thead>
<tr>
<th>Variable</th>
<th>Definition</th>
<th>HILDA Survey Data Labels</th>
</tr>
</thead>
<tbody>
<tr>
<td>lnnety</td>
<td>ln weekly disposable income</td>
<td>ahifdip-ahifdin,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>to ghifdip-ghifdin</td>
</tr>
<tr>
<td>xpgroc</td>
<td>ln weekly grocery expenditure</td>
<td>axpgroc-expgroc,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>fhxygroc-ghxygroc</td>
</tr>
<tr>
<td>xpfood</td>
<td>ln weekly food expenditure</td>
<td>axpfood-expfood</td>
</tr>
<tr>
<td>retire</td>
<td>retirement status indicator</td>
<td>ahges-ghges</td>
</tr>
<tr>
<td>for</td>
<td>forced retirement indicator</td>
<td>crtfrpr, grtfrpr, retire</td>
</tr>
<tr>
<td>yrsincer</td>
<td>years since retired</td>
<td>constructed from year,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>retire sequence</td>
</tr>
<tr>
<td>foryrsr</td>
<td>for x yrsincer</td>
<td>constructed from for,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>year, retire sequence</td>
</tr>
<tr>
<td>retchurn</td>
<td>indicator of 2+ transitions</td>
<td>retire sequence</td>
</tr>
<tr>
<td></td>
<td>(=1 if re-enter workforce after retire)</td>
<td></td>
</tr>
<tr>
<td>hgage</td>
<td>age of reference person</td>
<td>ahgage-ghgage</td>
</tr>
<tr>
<td>dhhstate*</td>
<td>indicator for state of residence</td>
<td>ahhstate-ghhstate</td>
</tr>
<tr>
<td>sepwiddiv</td>
<td>marital status indicator</td>
<td>ahgms,cmrcms-gmrcms</td>
</tr>
<tr>
<td></td>
<td>(=1 if separated, widowed or divorced)</td>
<td></td>
</tr>
<tr>
<td>spwk</td>
<td>indicator =1 if partner works</td>
<td>ahges-fhges for partner</td>
</tr>
<tr>
<td>hhealth</td>
<td>indicator of health conditions</td>
<td>ahelth-ghelth</td>
</tr>
<tr>
<td></td>
<td>(=1 if moderate or severe health conditions)</td>
<td></td>
</tr>
<tr>
<td>hdisab</td>
<td>indicator of disability</td>
<td>ahglth-ghglth</td>
</tr>
<tr>
<td>shealth</td>
<td>indicator for partner health</td>
<td>ahelthwk-ghelthwk (partner)</td>
</tr>
<tr>
<td>sdisab</td>
<td>indicator for partner disability</td>
<td>ahglth-ghglth (partner)</td>
</tr>
<tr>
<td>year</td>
<td>survey year</td>
<td>wave identifier</td>
</tr>
<tr>
<td>yr0607</td>
<td>indicator =1 if year=2006 or 2007</td>
<td>constructed from year</td>
</tr>
<tr>
<td>xwaveid</td>
<td>individual identifier</td>
<td>xwaveid</td>
</tr>
<tr>
<td>atrisk</td>
<td>indicator of at risk of retirement</td>
<td>ahgave, retire sequence</td>
</tr>
<tr>
<td></td>
<td>(=1 if not retired in 2001 and age&gt;=45)</td>
<td></td>
</tr>
</tbody>
</table>

NOTE HILDA convention is to use 1st letter of variable name to denote wave (a is wave 1-2001, g is wave 7-2007);

capture clear;
capture clear;
capture clear;
capture clear;
capture clear;
capture clear;
set more off;
set more off;
set more off;
set more off;
set more off;
set more off;
set matsize 8500;
set matsize 8500;
set matsize 8500;
set matsize 8500;
set matsize 8500;
set matsize 8500;
set mem 800m;
set mem 800m;
set mem 800m;
set mem 800m;
set mem 800m;
set mem 800m;
log using "c:\HILDA\ajae\results\ExpendRegs.log", t replace;
log using "c:\HILDA\ajae\results\ExpendRegs.log", t replace;
log using "c:\HILDA\ajae\results\ExpendRegs.log", t replace;
log using "c:\HILDA\ajae\results\ExpendRegs.log", t replace;
log using "c:\HILDA\ajae\results\ExpendRegs.log", t replace;
log using "c:\HILDA\ajae\results\ExpendRegs.log", t replace;
display "$S_DATE $S_TIME";
use "f:\HILDA\ajae\data\ExpPanel17"

xtset xwaveid year;
iis xwaveid;
tis year;

* Restrict the analysis to the "at risk" sample;
keep if atrisk==1;

*==========================================
Disposable Income Panel Regressions
==========================================;

* Table 3 column (2)- FE, RE and Hausman test in sequence;
xtreg lnnety retire hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, fe;
estimates store fixed;
xtreg lnnety retire hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, re;
hausman fixed .;

* Table 3 column (3)- FE, RE and Hausman test in sequence;
xtreg lnnety retire for hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, fe;
estimates store fixed;
xtreg lnnety retire for hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, re;
hausman fixed .;

*===================================================
Grocery Expenditure Panel Regressions
===================================================;

* Table 3 model (4)- FE, RE and Hausman test in sequence;
xtreg xpgroc retire yr0607 hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, fe;
estimates store fixed;
xtreg xpgroc retire yr0607 hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, re;
hausman fixed .;

* Table 3 model (5)- FE, RE and Hausman test in sequence;
xtreg xpgroc retire for yr0607 hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, fe;
estimates store fixed;
xtreg xpgroc retire for yr0607 hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, re;
hausman fixed .;

* Table 4 model (2)- FE, RE and Hausman test in sequence;
xtreg xpgroc retire for hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab if year<2006, fe;
estimates store fixed;
xtreg xpgroc retire for hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab if year<2006, re; hausman fixed .;

* Table 4 model (3) - drop observations once make 2nd transitions;
xtreg xpgroc retire for yr0607 hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab if retchurn==0, fe; estimates store fixed;
xtreg xpgroc retire for yr0607 hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab if retchurn==0, re; hausman fixed .;

* Table 4 model (5) - omit all health and disability controls;
xtreg xpgroc retire for yr0607 hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, fe; estimates store fixed;
xtreg xpgroc retire for yr0607 hgage dhhstate* sepwiddiv spwk, re; hausman fixed .;

* Table 4 model (7) - include control for years since retired - ysincer;
xtreg xpgroc retire for ysincer yr0607 hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, fe; estimates store fixed;
xtreg xpgroc retire for ysincer yr0607 hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, re; hausman fixed .;

* Appendix Table 2 model (2) - include control for years since retired and the interaction with forced;
xtreg xpgroc retire for ysincer forysr yr0607 hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, fe; estimates store fixed;
xtreg xpgroc retire for ysincer forysr yr0607 hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, re; hausman fixed .;

*=================================================================================================
Food Expenditure Panel Regressions
* Table 3 column (6) - do FE, RE and Hausman test;
xtreg xpfood retire hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, fe; estimates store fixed;
xtreg xpfood retire hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, re; hausman fixed .;

* Table 3 column (7) - do FE, RE and Hausman test;
xtreg xpfood retire for hgage dhhstate* sepwiddiv spwk hhealth hdisab shealth sdisab, fe; estimates store fixed;
xtreg xpfood retire for hgage dhhsate* sepwiddiv spwkw hhealth hdisab shealth sdisab, re;
hausman fixed .;

* Table 4 column (4) - drop observations who make further transitions after 1st spell of retirement;

xtreg xpfood retire for hgage dhhsate* sepwiddiv spwkw hhealth hdisab shealth sdisab if retchurn==0, fe;
estimates store fixed;
xtreg xpfood retire for hgage dhhsate* sepwiddiv spwkw hhealth hdisab shealth sdisab if retchurn==0, re;
hausman fixed .;

* Table 4 column (6) - omit all health and disability controls;

xtreg xpfood retire for hgage dhhsate* sepwiddiv spwkw, fe;
estimates store fixed;
xtreg xpfood retire for hgage dhhsate* sepwiddiv spwkw, re;
hausman fixed .;

* Table 4 model (8) - include control for years since retired - ysincer;

xtreg xpfood retire for ysincer hgage dhhsate* sepwiddiv spwkw hhealth hdisab shealth sdisab, fe;
estimates store fixed;
xtreg xpfood retire for ysincer hgage dhhsate* sepwiddiv spwkw hhealth hdisab shealth sdisab, re;
hausman fixed .;

* Appendix Table 2 model (3) - include control for years since retired and the interaction with forced;

xtreg xpfood retire for ysincer forysr hgage dhhsate* sepwiddiv spwkw hhealth hdisab shealth sdisab, fe;
estimates store fixed;
xtreg xpfood retire for ysincer forysr hgage dhhsate* sepwiddiv spwkw hhealth hdisab shealth sdisab, re;
hausman fixed .;

stop;