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* STATA 10.0 CODE
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* "LABOR MARKETS, POLICIES, AND INSTITUTIONS"
* by Tito Boeri & Jan van Ours (2008)
* Princeton University Press

*Chapter 11 Unemployment Benefit
*BOX 11.4 The Effects of Changes of Replacement Rates and Maximum Benefit
Duration in Austria, pages 241-242
clear
*VARIABLE DESCRIPTION
*beginn          start of spell (stata mdy
*                format)
*ein_zus         temporary layoff
*sfrau           =1 if female
*age             age at start of spell (years)
*after          =1 if spell starts after Aug 1,
*                1989
*dur             duration of unemployment spell
*                (weeks)
*nwage_pj        wage in previous job (per month)
*e3_5            =1 if worked 3 out of 5 years
*bdur           potential benefit duration
*                (weeks)
*y1988           =1 if spell starts in 1988
*y1989           =1 if spell starts in 1989
*y1990           =1 if spell starts in 1990
*y1991           =1 if spell starts in 1991
*med_educ        =1 if education, medium
*                (secondary)
*hi_educ         =1 if education, high (tertiary)
*lehre           =1 if apprenticeship
*married         =1 if married
*single          =1 if single
*divorced        =1 if divorced
*f_marr          female * married
*f_single        female * single
*f_divor         female * divorced
*bc              =1 if blue collar
*pnon_10         relative employment, previous
*                10 years
*q2              =1 if inflow in 2nd quarter
*q3              =1 if inflow in 3rd quarter
*q4              =1 if inflow in 4th quarter
*seasonal        =1 if construction / tourism
*manuf           =1 if manufacturing
*ten72           tenure (years)
*type            type           type of treatment
*uncc            =1 if spell not censored
*lwage           log(daily wage)
*tr              =1 if replacement rate change
*t39             =1 if PBD 30-39 change
*t52             =1 if PBD 30-52 change
*t39_tr          t39 * tr
*t52_tr          t52 * tr
*after0         = 1 if interval 0 after Aug 1,
*                1989
*tr_a0          tr * after0
*t39_a0         t39 * after0

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*t52_a0          t52 * after0
*t39tra0         t39 * tr * after0
*t52tra0         t52 * tr * after0
*after1         = 1 if interval 1 after Aug 1,
*                1989
*tr_a1          tr * after1
*t39_a1         t39 * after1
*t52_a1         t52 * after1
*t39tra1        t39 * tr * after1
*t52tra1        t52 * tr * after1
*after2         = 1 if interval 2 after Aug 1,
*                1989
*tr_a2          tr * after2
*t39_a2         t39 * after2
*t52_a2         t52 * after2
*t39tra2        t39 * tr * after2
*t52tra2        t52 * tr * after2
*after3         = 1 if interval 3 after Aug 1,
*                1989
*tr_a3          tr * after3
*t39_a3         t39 * after3
*t52_a3         t52 * after3
*t39tra3        t39 * tr * after3
*t52tra3        t52 * tr * after3
*after4         = 1 if interval 4 after Aug 1,
*                1989
*tr_a4          tr * after4
*t39_a4         t39 * after4
*t52_a4         t52 * after4
*t39tra4        t39 * tr * after4
*t52tra4        t52 * tr * after4
*after5         = 1 if interval 5 after Aug 1,
*                1989
*tr_a5          tr * after5
*t39_a5         t39 * after5
*t52_a5         t52 * after5
*t39tra5        t39 * tr * after5
*t52tra5        t52 * tr * after5
*after6         = 1 if interval 6 after Aug 1,
*                1989
*tr_a6          tr * after6
*t39_a6         t39 * after6
*t52_a6         t52 * after6
*t39tra6        t39 * tr * after6
*t52tra6        t52 * tr * after6
*after7         = 1 if interval 7 after Aug 1,
*                1989
*tr_a7          tr * after7
*t39_a7         t39 * after7
*t52_a7         t52 * after7
*t39tra7        t39 * tr * after7
*t52tra7        t52 * tr * after7
*after8         = 1 if interval 8 after Aug 1,
*                1989
*tr_a8          tr * after8
*t39_a8         t39 * after8
*t52_a8         t52 * after8
*t39tra8        t39 * tr * after8
*t52tra8        t52 * tr * after8
*after9         = 1 if interval 9 after Aug 1,
*                1989
*tr_a9          tr * after9
*t39_a9         t39 * after9

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*t52_a9          t52 * after9
*t39tra9         t39 * tr * after9
*t52tra9         t52 * tr * after9
*after10        = 1 if interval 10 after Aug 1,
*                1989
*tr_a10         tr * after10
*t39_a10        t39 * after10
*t52_a10        t52 * after10
*t39tra10       t39 * tr * after10
*t52tra10       t52 * tr * after10
*after11        = 1 if interval 11 after Aug 1,
*                1989
*tr_a11         tr * after11
*t39_a11        t39 * after11
*t52_a11        t52 * after11
*t39tra11       t39 * tr * after11
*t52tra11       t52 * tr * after11
*after12        = 1 if interval 12 after Aug 1,
*                1989
*tr_a12         tr * after12
*t39_a12        t39 * after12
*t52_a12        t52 * after12
*t39tra12       t39 * tr * after12
*t52tra12       t52 * tr * after12
*after13        = 1 if interval 13 after Aug 1,
*                1989
*tr_a13         tr * after13
*t39_a13        t39 * after13
*t52_a13        t52 * after13
*t39tra13       t39 * tr * after13
*t52tra13       t52 * tr * after13
*after14        = 1 if interval 14 after Aug 1,
*                1989
*tr_a14         tr * after14
*t39_a14        t39 * after14
*t52_a14        t52 * after14
*t39tra14       t39 * tr * after14
*t52tra14       t52 * tr * after14
*after15        = 1 if interval 15 after Aug 1,
*                1989
*tr_a15         tr * after15
*t39_a15        t39 * after15
*t52_a15        t52 * after15
*t39tra15       t39 * tr * after15
*t52tra15       t52 * tr * after15
*dtu0           =1 if spell ends in interval 0
*btu0           spell duration in interval 0
*dtu1           =1 if spell ends in interval 1
*btu1           spell duration in interval 1
*dtu2           =1 if spell ends in interval 2
*btu2           spell duration in interval 2
*dtu3           =1 if spell ends in interval 3
*btu3           spell duration in interval 3
*dtu4           =1 if spell ends in interval 4
*btu4           spell duration in interval 4
*dtu5           =1 if spell ends in interval 5
*btu5           spell duration in interval 5
*dtu6           =1 if spell ends in interval 6
*btu6           spell duration in interval 6
*dtu7           =1 if spell ends in interval 7
*btu7           spell duration in interval 7
*dtu8           =1 if spell ends in interval 8
*btu8           spell duration in interval 8

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*dtu9           =1 if spell ends in interval 9
*btu9           spell duration in interval 9
*dtu10          =1 if spell ends in interval 10
*btu10          spell duration in interval 10
*dtu11          =1 if spell ends in interval 11
*btu11          spell duration in interval 11
*dtu12          =1 if spell ends in interval 12
*btu12          spell duration in interval 12
*dtu13          =1 if spell ends in interval 13
*btu13          spell duration in interval 13
*dtu14          =1 if spell ends in interval 14
*btu14          spell duration in interval 14
*dtu15          =1 if spell ends in interval 15
*btu15          spell duration in interval 15

. use "C:\lalive.dta", clear

. gen trt39t52=tr*(t39+t52)

. capture program drop mllenny

. program define mllenny
  1.      args lnf covu lu0 lu1 lu2 lu3 lu4 lu5 lu6 lu7 lu8 lu9 lu10 lu1
> 1 lu12 lu13 lu14 lu15 b
  2.      tempvar hazu survu ua
  3.      quietly gen double `hazu' = `covu'+`lu0'+dtu1*`lu1'+dtu2*`lu2'
> +dtu3*`lu3'+dtu4*`lu4'+dtu5*`lu5'+dtu6*`lu6'+dtu7*`lu7'+dtu8*`lu8'+dtu9*`lu9'
> +dtu10*`lu10'+dtu11*`lu11'+dtu12*`lu12'+dtu13*`lu13'+dtu14*`lu14'+dtu15*`lu15
> '
  4.      quietly gen double `survu' = exp(`covu'+`lu0')*(btu0+btu1*exp(
> `lu1') + btu2*exp(`lu2') + btu3*exp(`lu3') + btu4*exp(`lu4')+btu5*exp(`lu5')+
> btu6*exp(`lu6')+btu7*exp(`lu7')+btu8*exp(`lu8')+btu9*exp(`lu9')+btu10*exp(`lu
> 10')+btu11*exp(`lu11')+btu12*exp(`lu12')+btu13*exp(`lu13')+btu14*exp(`lu14')+
> btu15*exp(`lu15'))
  5.      quietly gen double `ua' = exp(uncc*(`b'+`hazu')-exp(`b'))*`
> survu')
  6.      replace `lnf' = log(`ua')
  7. end

. ml model lf mllenny (covu: age married single divorced sfrau f_marr f_single
> f_divor lehre med_educ hi_educ lwage ein_zus bc seasonal manif pnon ten72 y19
> 88 y1989 y1990 y1991 q2 q3 q4, nocons) (lu0: tr t39 t52 trt39t52 after0 tr_a0
> t39_a0 t52_a0 t39tra0 t52tra0, nocons) (lu1: tr t39 t52 trt39t52 after1 tr_a
> 1 t39_a1 t52_a1 t39tra1 t52tra1) (lu2: tr t39 t52 trt39t52 after2 tr_a2 t39_a
> 2 t52_a2 t39tra2 t52tra2) (lu3: tr t39 t52 trt39t52 after3 tr_a3 t39_a3 t52_a
> 3 t39tra3 t52tra3) (lu4: tr t39 t52 trt39t52 after4 tr_a4 t39_a4 t52_a4 t39tr
> a4 t52tra4) (lu5: tr t39 t52 trt39t52 after5 tr_a5 t39_a5 t52_a5 t39tra5 t52t
> ra5) (lu6: tr t39 t52 trt39t52 after6 tr_a6 t39_a6 t52_a6 t39tra6 t52tra6) (l
> u7: tr t39 t52 trt39t52 after7 tr_a7 t39_a7 t52_a7 t39tra7 t52tra7) (lu8: tr
> t39 t52 trt39t52 after8 tr_a8 t39_a8 t52_a8 t39tra8 t52tra8) (lu9: tr t39 t52
> trt39t52 after9 tr_a9 t39_a9 t52_a9 t39tra9 t52tra9) (lu10: tr t39 t52 trt39
> t52 after10 tr_a10 t39_a10 t52_a10 t39tra10 t52tra10) (lu11: tr t39 t52 trt39
> t52 after11 tr_a11 t39_a11 t52_a11 t39tra11 t52tra11) (lu12: tr t39 t52 trt39
> t52 after12 tr_a12 t39_a12 t52_a12 t39tra12 t52tra12) (lu13: tr t39 t52 trt39
> t52 after13 tr_a13 t39_a13 t52_a13 t39tra13 t52tra13) (lu14: tr t39 t52 trt39
> t52 after14 tr_a14 t39_a14 t52_a14 t39tra14 t52tra14) (lu15: tr t39 t52 trt39
> t52 after15 tr_a15 t39_a15 t52_a15 t39tra15 t52tra15) /b, technique(bhhh)

. ml init -0.013848 0.155817 0.013952 -0.107398 -0.028855 -0.083597 0.136333 0.
> 054599 -0.052923 -0.157314 -0.243438 0.115567 0.355257 0.395319 0.352472 -0.0
> 94110 -0.101384 -0.578761E-02 0.014887 0.029697 -0.727319E-02 -0.060828 0.014
> 414 -0.212013 -0.232698 0.064286 0.087518 -0.089786 0.138918 0.240458E-02 -0.
> 030219 -0.030089 0.103865 -0.038875 -0.160945 0.692462 -0.175283 -0.030297 0.

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age		-.0138477	.0005838	-23.72	0.000	-.0149919	-.0127035
married		.1558168	.01629	9.57	0.000	.1238889	.1877447
single		.0139466	.0172631	0.81	0.419	-.0198885	.0477817
divorced		-.1074004	.0177581	-6.05	0.000	-.1422057	-.0725952
sfrau		-.0288612	.0224663	-1.28	0.199	-.0728944	.0151721
f_marr		-.0835959	.0229675	-3.64	0.000	-.1286113	-.0385804
f_single		.1363396	.0245592	5.55	0.000	.0882045	.1844748
f_divor		.054609	.024809	2.20	0.028	.0059842	.1032337
lehre		-.0529213	.0045593	-11.61	0.000	-.0618574	-.0439853
med_educ		-.1573115	.0106712	-14.74	0.000	-.1782267	-.1363964
hi_educ		-.2434399	.0120474	-20.21	0.000	-.2670524	-.2198275
lwage		.1155602	.0076174	15.17	0.000	.1006303	.13049
ein_zus		.3552607	.0046143	76.99	0.000	.3462169	.3643045
bc		.3953175	.0061086	64.71	0.000	.3833449	.4072902
seasonal		.3524607	.0049641	71.00	0.000	.3427313	.3621901
manuf		-.0941119	.0060724	-15.50	0.000	-.1060135	-.0822102
pnon_10		-.1013712	.0115794	-8.75	0.000	-.1240663	-.078676
ten72		-.0057871	.000481	-12.03	0.000	-.0067298	-.0048444
y1988		.0148841	.008039	1.85	0.064	-.000872	.0306403
y1989		.0296977	.0105736	2.81	0.005	.0089738	.0504216
y1990		-.007302	.0143848	-0.51	0.612	-.0354956	.0208917
y1991		-.0608587	.016307	-3.73	0.000	-.0928199	-.0288975
q2		.0144121	.0056513	2.55	0.011	.0033358	.0254884
q3		-.212014	.0070706	-29.99	0.000	-.2258721	-.1981559
q4		-.2326806	.0066355	-35.07	0.000	-.2456859	-.2196754

lu0							
tr		.0642824	.0236817	2.71	0.007	.017867	.1106977
t39		.087524	.0180344	4.85	0.000	.0521772	.1228707
t52		-.0897642	.0259536	-3.46	0.001	-.1406324	-.038896
trt39t52		.1389247	.0337013	4.12	0.000	.0728714	.204978
after0		.0024325	.0162637	0.15	0.881	-.0294438	.0343088
tr_a0		-.0302236	.0235874	-1.28	0.200	-.076454	.0160067
t39_a0		-.0300882	.0194115	-1.55	0.121	-.068134	.0079576
t52_a0		.1038645	.0259179	4.01	0.000	.0530664	.1546625
t39tra0		-.0388731	.0368439	-1.06	0.291	-.1110858	.0333397
t52tra0		-.1610075	.0499357	-3.22	0.001	-.2588797	-.0631354

lu1							
tr		-.1752849	.033043	-5.30	0.000	-.240048	-.1105217
t39		-.0302995	.0243523	-1.24	0.213	-.0780291	.0174301
t52		.1107648	.0338728	3.27	0.001	.0443753	.1771543
trt39t52		-.0283495	.0483404	-0.59	0.558	-.123095	.0663959
after1		-.0350278	.0220987	-1.59	0.113	-.0783405	.0082848
tr_a1		-.0160736	.0409811	-0.39	0.695	-.0963951	.0642479
t39_a1		.0300868	.0303648	0.99	0.322	-.0294272	.0896007
t52_a1		-.1181969	.0417985	-2.83	0.005	-.2001204	-.0362734
t39tra1		.0184385	.0645717	0.29	0.775	-.1081197	.1449967
t52tra1		-.0921152	.0897603	-1.03	0.305	-.2680422	.0838117
_cons		.6924511	.0178541	38.78	0.000	.6574577	.7274446

lu2							
tr		-.2611235	.0319229	-8.18	0.000	-.3236913	-.1985558
t39		-.0598287	.0237196	-2.52	0.012	-.1063184	-.0133391
t52		.1052495	.032951	3.19	0.001	.0406668	.1698322
trt39t52		-.2069466	.0477027	-4.34	0.000	-.3004421	-.1134511
after2		.0313171	.0211832	1.48	0.139	-.0102013	.0728355
tr_a2		-.0122823	.0381	-0.32	0.747	-.086957	.0623924
t39_a2		.0531231	.0289479	1.84	0.066	-.0036138	.1098599
t52_a2		-.1294473	.0396924	-3.26	0.001	-.2072429	-.0516517
t39tra2		.0507477	.0613571	0.83	0.408	-.06951	.1710053
t52tra2		.0560592	.0825727	0.68	0.497	-.1057803	.2178987
_cons		1.207291	.017427	69.28	0.000	1.173135	1.241447

lu3							
	tr	-.4737756	.0347479	-13.63	0.000	-.5418803	-.4056709
	t39	.0296027	.0253765	1.17	0.243	-.0201343	.0793397
	t52	.3276661	.0342968	9.55	0.000	.2604456	.3948867
	trt39t52	-.1632694	.0507657	-3.22	0.001	-.2627683	-.0637704
	after3	-.1012543	.023431	-4.32	0.000	-.1471781	-.0553304
	tr_a3	.0353428	.0426982	0.83	0.408	-.0483442	.1190297
	t39_a3	.038543	.0316906	1.22	0.224	-.0235694	.1006554
	t52_a3	-.249052	.0425201	-5.86	0.000	-.3323899	-.1657141
	t39tra3	.0010621	.0673729	0.02	0.987	-.1309863	.1331106
	t52tra3	-.0349878	.0890078	-0.39	0.694	-.2094399	.1394643
	_cons	1.405886	.0188674	74.51	0.000	1.368907	1.442865

lu4							
	tr	-.0132822	.0355438	-0.37	0.709	-.0829468	.0563824
	t39	-.0416891	.0292186	-1.43	0.154	-.0989566	.0155784
	t52	.3038783	.0389319	7.81	0.000	.2275732	.3801833
	trt39t52	-.4339326	.0530167	-8.18	0.000	-.5378435	-.3300217
	after4	-.2855449	.0275755	-10.36	0.000	-.3395919	-.2314978
	tr_a4	-.1051159	.0445206	-2.36	0.018	-.1923747	-.0178572
	t39_a4	-.0828104	.0383881	-2.16	0.031	-.1580496	-.0075712
	t52_a4	-.4767819	.0518543	-9.19	0.000	-.5784145	-.3751494
	t39tra4	.2216222	.0727358	3.05	0.002	.0790627	.3641817
	t52tra4	.2092367	.0973498	2.15	0.032	.0184347	.4000387
	_cons	1.491361	.0215601	69.17	0.000	1.449104	1.533618

lu5							
	tr	.1548471	.0403041	3.84	0.000	.0758526	.2338417
	t39	-.3233289	.0368427	-8.78	0.000	-.3955393	-.2511186
	t52	.0433527	.0489768	0.89	0.376	-.05264	.1393455
	trt39t52	-.320034	.0614256	-5.21	0.000	-.4404259	-.1996421
	after5	-.2952164	.0329398	-8.96	0.000	-.3597772	-.2306556
	tr_a5	.1275078	.0490742	2.60	0.009	.0313241	.2236915
	t39_a5	-.0770343	.0483539	-1.59	0.111	-.1718063	.0177377
	t52_a5	-.481202	.0654804	-7.35	0.000	-.6095412	-.3528627
	t39tra5	.1177337	.0820829	1.43	0.151	-.0431459	.2786132
	t52tra5	.0664282	.1073611	0.62	0.536	-.1439956	.276852
	_cons	1.452953	.02597	55.95	0.000	1.402053	1.503853

lu6							
	tr	.1634017	.0510691	3.20	0.001	.0633082	.2634952
	t39	-.2445366	.0460923	-5.31	0.000	-.3348759	-.1541973
	t52	-.0284014	.0630666	-0.45	0.652	-.1520096	.0952068
	trt39t52	-.35565	.0762708	-4.66	0.000	-.5051381	-.2061619
	after6	-.3251485	.0422951	-7.69	0.000	-.4080454	-.2422516
	tr_a6	.0933151	.0632716	1.47	0.140	-.0306949	.2173251
	t39_a6	-.0636032	.0597064	-1.07	0.287	-.1806256	.0534191
	t52_a6	-.4826476	.0833828	-5.79	0.000	-.646075	-.3192203
	t39tra6	.0814387	.1020879	0.80	0.425	-.1186499	.2815274
	t52tra6	.2981541	.128126	2.33	0.020	.0470317	.5492766
	_cons	1.268708	.0334885	37.88	0.000	1.203072	1.334344

lu7							
	tr	.3166718	.0534073	5.93	0.000	.2119954	.4213483
	t39	.0752667	.0459947	1.64	0.102	-.0148812	.1654146
	t52	.2370227	.0601691	3.94	0.000	.1190934	.354952
	trt39t52	-.264147	.0726605	-3.64	0.000	-.4065589	-.1217351
	after7	-.4084211	.044878	-9.10	0.000	-.4963803	-.3204619
	tr_a7	-.0891706	.0668691	-1.33	0.182	-.2202316	.0418904
	t39_a7	-.5511685	.0614125	-8.97	0.000	-.6715347	-.4308022
	t52_a7	-1.00685	.0845583	-11.91	0.000	-1.172581	-.8411185
	t39tra7	.1716547	.1019787	1.68	0.092	-.0282198	.3715293

t52tra7		.1225358	.137241	0.89	0.372	-.1464516	.3915233
_cons		1.502663	.0358883	41.87	0.000	1.432324	1.573003

lu8							
tr		.155664	.0773351	2.01	0.044	.0040899	.3072381
t39		-.0094473	.065241	-0.14	0.885	-.1373174	.1184227
t52		-.0905752	.0910834	-0.99	0.320	-.2690953	.0879449
trt39t52		.0319422	.1038102	0.31	0.758	-.1715221	.2354065
after8		-.3854937	.0605623	-6.37	0.000	-.5041935	-.2667938
tr_a8		.0238972	.0940491	0.25	0.799	-.1604357	.20823
t39_a8		-.2925939	.0810745	-3.61	0.000	-.451497	-.1336908
t52_a8		-.6831075	.1157699	-5.90	0.000	-.9100123	-.4562028
t39tra8		-.2348455	.1368619	-1.72	0.086	-.5030899	.0333989
t52tra8		-.3247032	.1802477	-1.80	0.072	-.6779822	.0285758
_cons		1.233445	.049992	24.67	0.000	1.135462	1.331427

lu9							
tr		.135294	.1098274	1.23	0.218	-.0799637	.3505517
t39		.1678731	.088583	1.90	0.058	-.0057464	.3414926
t52		.1022101	.1216069	0.84	0.401	-.1361351	.3405553
trt39t52		-.122416	.1453655	-0.84	0.400	-.4073271	.1624951
after9		-.2399895	.0822318	-2.92	0.004	-.4011609	-.0788182
tr_a9		-.0323167	.1298493	-0.25	0.803	-.2868166	.2221832
t39_a9		.1845474	.1027852	1.80	0.073	-.016908	.3860027
t52_a9		-.7702725	.1464367	-5.26	0.000	-1.057283	-.4832618
t39tra9		.1879015	.1716132	1.09	0.274	-.1484541	.5242571
t52tra9		-.0181476	.21776	-0.08	0.934	-.4449494	.4086541
_cons		.8555181	.0702677	12.18	0.000	.7177959	.9932402

lu10							
tr		-.0621046	.1375441	-0.45	0.652	-.3316861	.207477
t39		-.0319458	.1101192	-0.29	0.772	-.2477754	.1838838
t52		-.2561422	.1583457	-1.62	0.106	-.566494	.0542096
trt39t52		-.058363	.1910706	-0.31	0.760	-.4328545	.3161284
after10		-.3826378	.0979879	-3.90	0.000	-.5746906	-.1905851
tr_a10		-.0091481	.1637022	-0.06	0.955	-.3299986	.3117024
t39_a10		.445058	.1266686	3.51	0.000	.1967921	.693324
t52_a10		-.2761488	.1823846	-1.51	0.130	-.6336162	.0813185
t39tra10		.2693642	.2227293	1.21	0.227	-.1671772	.7059056
t52tra10		.1818068	.2594858	0.70	0.484	-.326776	.6903896
_cons		.7898437	.0833175	9.48	0.000	.6265444	.953143

lu11							
tr		.1424084	.1672556	0.85	0.395	-.1854066	.4702234
t39		.0518883	.1373688	0.38	0.706	-.2173497	.3211262
t52		-.1231482	.1964929	-0.63	0.531	-.5082671	.2619707
trt39t52		-.0220258	.224914	-0.10	0.922	-.4628492	.4187975
after11		-.3608932	.124186	-2.91	0.004	-.6042933	-.117493
tr_a11		-.1790689	.1976108	-0.91	0.365	-.566379	.2082411
t39_a11		.3801832	.1568974	2.42	0.015	.07267	.6876965
t52_a11		-.1165976	.2192348	-0.53	0.595	-.5462899	.3130948
t39tra11		-.0709465	.2678625	-0.26	0.791	-.5959473	.4540544
t52tra11		-.0011742	.2946738	-0.00	0.997	-.5787243	.5763758
_cons		.516497	.1076435	4.80	0.000	.3055197	.7274743

lu12							
tr		-.4114977	.234289	-1.76	0.079	-.8706957	.0477003
t39		-.1925337	.1692803	-1.14	0.255	-.5243171	.1392496
t52		-.1527503	.2206366	-0.69	0.489	-.5851901	.2796895
trt39t52		.4875235	.3059024	1.59	0.111	-.1120342	1.087081
after12		-.5507388	.1452199	-3.79	0.000	-.8353646	-.266113
tr_a12		.5757149	.2628446	2.19	0.029	.060549	1.090881
t39_a12		.5586598	.1932196	2.89	0.004	.1799563	.9373633

t52_a12		1.215139	.2376395	5.11	0.000	.7493744	1.680904
t39tra12		-.408346	.3468121	-1.18	0.239	-1.088085	.2713932
t52tra12		-.4905065	.3420947	-1.43	0.152	-1.161	.1799869
_cons		.4231144	.1245952	3.40	0.001	.1789122	.6673166

lu13							
tr		-.0315294	.2217267	-0.14	0.887	-.4661059	.403047
t39		.1096033	.1706635	0.64	0.521	-.2248911	.4440977
t52		-.4568564	.2730458	-1.67	0.094	-.9920163	.0783036
trt39t52		-.1227435	.3089097	-0.40	0.691	-.7281954	.4827083
after13		-.4443692	.1535831	-2.89	0.004	-.7453866	-.1433517
tr_a13		.0738542	.2533218	0.29	0.771	-.4226475	.5703559
t39_a13		.1200864	.1949663	0.62	0.538	-.2620405	.5022133
t52_a13		1.725728	.2858465	6.04	0.000	1.165479	2.285977
t39tra13		.2380854	.354548	0.67	0.502	-.456816	.9329868
t52tra13		.3867791	.3429207	1.13	0.259	-.2853332	1.058891
_cons		.4339739	.1348701	3.22	0.001	.1696334	.6983143

lu14							
tr		.1139496	.2537639	0.45	0.653	-.3834186	.6113177
t39		.0917482	.2074877	0.44	0.658	-.3149203	.4984167
t52		-.1040502	.27669	-0.38	0.707	-.6463527	.4382523
trt39t52		-.3410819	.3585261	-0.95	0.341	-1.04378	.3616164
after14		-.3098842	.1817831	-1.70	0.088	-.6661725	.046404
tr_a14		-.0633912	.2848402	-0.22	0.824	-.6216677	.4948853
t39_a14		.0257535	.2315917	0.11	0.911	-.4281579	.4796649
t52_a14		.6874343	.2955301	2.33	0.020	.1082059	1.266663
t39tra14		.1011428	.4144472	0.24	0.807	-.7111588	.9134443
t52tra14		.7494309	.4022769	1.86	0.062	-.0390173	1.537879
_cons		.2796181	.1643298	1.70	0.089	-.0424624	.6016986

lu15							
tr		-.25083	.0766856	-3.27	0.001	-.4011309	-.100529
t39		-.1416726	.0630507	-2.25	0.025	-.2652497	-.0180956
t52		-.028035	.0702759	-0.40	0.690	-.1657732	.1097032
trt39t52		.1258304	.1086667	1.16	0.247	-.0871525	.3388133
after15		-.2974442	.0497773	-5.98	0.000	-.3950059	-.1998825
tr_a15		.2304671	.081784	2.82	0.005	.0701734	.3907608
t39_a15		.0636835	.0669004	0.95	0.341	-.0674389	.1948059
t52_a15		-.0507387	.073317	-0.69	0.489	-.1944374	.0929599
t39tra15		-.2152065	.117403	-1.83	0.067	-.4453121	.0148992
t52tra15		.090729	.120488	0.75	0.451	-.1454232	.3268812
_cons		-.3796769	.046692	-8.13	0.000	-.4711916	-.2881623

b							
_cons		-4.185142	.0608317	-68.80	0.000	-4.30437	-4.065914
