

```

(90188 missing values generated)
  name: <unnamed>
  log: C:\Users\Tomi\Google Drive\ELTE\SZAKDOLGOZAT\stata\OH adatokkal\02_analysis_2012-2
  log type: smcl
  opened on: 8 Apr 2016, 17:25:54
(OKM 2012 Tanulói 8. és 2014 Tanulói 10. évfolyam)
(note: you are using old merge syntax; see [D] merge for new syntax)
variable omid does not uniquely identify observations in the master data
(note: you are using old merge syntax; see [D] merge for new syntax)
variable omid does not uniquely identify observations in the master data
  panel variable: azon (unbalanced)
  time variable: ev, 2012 to 2014, but with gaps
  delta: 1 unit
(112398 missing values generated)
(104341 missing values generated)
(112422 missing values generated)
(104391 missing values generated)
(118198 missing values generated)
(118249 missing values generated)
(126464 missing values generated)
(92966 missing values generated)
(90188 missing values generated)
(183154 missing values generated)
(49741 real changes made)
(183154 missing values generated)
(49741 real changes made)
(183154 missing values generated)
(49741 real changes made)
(183154 missing values generated)
(49741 real changes made)
(183154 missing values generated)
(49741 real changes made)
(183154 missing values generated)
(49741 real changes made)
(183154 missing values generated)
(49741 real changes made)
(92966 observations deleted)
  panel variable: omid10 (unbalanced)
(40447 observations deleted)
(4627 observations deleted)

Fixed-effects (within) regression
Group variable: omid10

Number of obs      =      34248
Number of groups   =       607

R-sq:  within = 0.0568
      between = 0.8167
      overall  = 0.2886

Obs per group: min =      8
               avg  =     56.4
               max  =     245

F(12,606)          =     71.92
Prob > F           =     0.0000

corr(u_i, Xb)     = 0.5650

```

(Std. Err. adjusted for 607 clusters in omid10)

o_zpsc_10	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sum10_1of5	3.234955	2.59769	1.25	0.213	-1.866614	8.336523
sum10_2of5	1.615712	4.353032	0.37	0.711	-6.933147	10.16457
sum10_3of5	-2.623897	8.332229	-0.31	0.753	-18.98745	13.73965
sum10_4of5	31.27718	22.76031	1.37	0.170	-13.42149	75.97585
sum10_5of5	68.64945	30.13863	2.28	0.023	9.460618	127.8383
cs_h_index	46.50094	1.847994	25.16	0.000	42.87169	50.13019
sum10_1of5#c.cs_h_index 1	3.358826	2.705764	1.24	0.215	-1.954987	8.672639
sum10_2of5#c.cs_h_index 1	5.03828	3.975702	1.27	0.206	-2.769546	12.84611
sum10_3of5#c.cs_h_index 1	15.25484	7.749149	1.97	0.049	.0363916	30.47329
sum10_4of5#c.cs_h_index 1	21.14599	19.40091	1.09	0.276	-16.95519	59.24716

sum10_5of5#c.csh_index 1	-73.80088	27.14337	-2.72	0.007	-127.1074	-20.49438
nem						
fiú	-25.43079	2.070302	-12.28	0.000	-29.49663	-21.36495
_cons	1649.234	1.198979	1375.53	0.000	1646.879	1651.588
sigma_u	108.67773					
sigma_e	141.65418					
rho	.37051603	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT_Szakdolgozat/from stata/tables/eredmenyek_2012-
dir : seeout
(40447 observations deleted)
(4627 observations deleted)

Fixed-effects (within) regression	Number of obs	=	34248
Group variable: omid10	Number of groups	=	607
R-sq: within = 0.0571	Obs per group: min =		8
between = 0.8176	avg =		56.4
overall = 0.2892	max =		245

corr(u_i, Xb) = 0.5648	F(12, 606)	=	72.28
	Prob > F	=	0.0000

(Std. Err. adjusted for **607** clusters in **omid10**)

o_zpsc_10	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sum10_1of5	-5.21866	2.389382	-2.18	0.029	-9.911134	-.5261858
sum10_2of5	-7.985323	4.035842	-1.98	0.048	-15.91126	-.0593885
sum10_3of5	-24.89055	10.34377	-2.41	0.016	-45.20454	-4.576563
sum10_4of5	-23.87025	14.54798	-1.64	0.101	-52.44083	4.700335
sum10_5of5	64.5329	30.02743	2.15	0.032	5.562447	123.5033
csh_index	47.78164	1.858328	25.71	0.000	44.1321	51.43118
sum10_1of5#c.csh_index 1	-.2543981	2.507881	-0.10	0.919	-5.179592	4.670796
sum10_2of5#c.csh_index 1	-4.517772	3.70212	-1.22	0.223	-11.78831	2.752771
sum10_3of5#c.csh_index 1	-10.2486	12.40405	-0.83	0.409	-34.60875	14.11155
sum10_4of5#c.csh_index 1	53.42026	15.44108	3.46	0.001	23.09574	83.74477
sum10_5of5#c.csh_index 1	-75.0926	27.40997	-2.74	0.006	-128.9227	-21.26255
nem						
fiú	-25.55449	2.070758	-12.34	0.000	-29.62122	-21.48775
_cons	1651.697	1.182508	1396.78	0.000	1649.375	1654.02
sigma_u	108.5066					
sigma_e	141.62588					
rho	.36987438	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT_Szakdolgozat/from stata/tables/eredmenyek_2012-
dir : seeout
(40447 observations deleted)
(4627 observations deleted)

Fixed-effects (within) regression	Number of obs	=	34248
Group variable: omid10	Number of groups	=	607

R-sq: within = **0.0568**
between = **0.8178**
overall = **0.2898**

Obs per group: min = **8**
avg = **56.4**
max = **245**

corr(u_i, Xb) = **0.5668**

F(12, 606) = **73.23**
Prob > F = **0.0000**

(Std. Err. adjusted for 607 clusters in amid10)

o_zpsc_10	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sum10_1of5	.6315568	2.384635	0.26	0.791	-4.051595	5.314708
sum10_2of5	-.4738728	4.0322	-0.12	0.906	-8.392656	7.444911
sum10_3of5	-1.781787	10.05491	-0.18	0.859	-21.52848	17.96491
sum10_4of5	30.33876	13.62879	2.23	0.026	3.573352	57.10416
sum10_5of5	67.91381	30.07369	2.26	0.024	8.852495	126.9751
csn_index	47.45075	1.881732	25.22	0.000	43.75524	51.14625
sum10_1of5#c.csn_index 1	.2670804	2.528515	0.11	0.916	-4.698635	5.232796
sum10_2of5#c.csn_index 1	-1.291424	4.091191	-0.32	0.752	-9.326058	6.74321
sum10_3of5#c.csn_index 1	14.63886	8.978943	1.63	0.104	-2.994764	32.27248
sum10_4of5#c.csn_index 1	11.61553	11.00581	1.06	0.292	-9.998631	33.2297
sum10_5of5#c.csn_index 1	-74.38724	27.19431	-2.74	0.006	-127.7938	-20.9807
nem						
fiu	-25.51465	2.065498	-12.35	0.000	-29.57105	-21.45824
_cons	1649.634	1.192604	1383.22	0.000	1647.292	1651.976
sigma_u	108.53698					
sigma_e	141.65259					
rho	.36991695	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT Szakdolgozat/from stata/tables/eredmenyek 2012-
dir : seeout

(40447 observations deleted)
(4627 observations deleted)

Fixed-effects (within) regression
Group variable: amid10

Number of obs = **34248**
Number of groups = **607**

R-sq: within = **0.0567**
between = **0.8171**
overall = **0.2893**

Obs per group: min = **8**
avg = **56.4**
max = **245**

corr(u_i, Xb) = **0.5660**

F(12, 606) = **69.74**
Prob > F = **0.0000**

(Std. Err. adjusted for 607 clusters in amid10)

o_zpsc_10	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sum10_1of5	-3.300177	2.286079	-1.44	0.149	-7.789775	1.189422
sum10_2of5	-4.709479	3.660824	-1.29	0.199	-11.89892	2.479963
sum10_3of5	-23.45084	9.969385	-2.35	0.019	-43.02958	-3.872103
sum10_4of5	10.94759	22.04763	0.50	0.620	-32.35145	54.24663
sum10_5of5	65.35867	30.09531	2.17	0.030	6.254901	124.4624
csn_index	47.8485	1.843254	25.96	0.000	44.22856	51.46844
sum10_1of5#c.csn_index 1	-.8946679	2.368172	-0.38	0.706	-5.545489	3.756153

sum10_2of5#c.csh_index	1	-2.31532	3.527624	-0.66	0.512	-9.243172	4.612532
sum10_3of5#c.csh_index	1	7.895839	11.3924	0.69	0.489	-14.47754	30.26921
sum10_4of5#c.csh_index	1	-2.099692	42.23324	-0.05	0.960	-85.04098	80.84159
sum10_5of5#c.csh_index	1	-75.14705	27.38889	-2.74	0.006	-128.9357	-21.35838
nem							
fiú		-25.51907	2.068547	-12.34	0.000	-29.58146	-21.45668
_cons		1651.201	1.179384	1400.05	0.000	1648.885	1653.518
sigma_u		108.51271					
sigma_e		141.65837					
rho		.3697937	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: **omid10**

```
R-sq:  within  = 0.0569
       between = 0.8142
       overall = 0.2892
```

```
corr(u i, Xb) = 0.5652
```

(Std. Err. adjusted for **607** clusters in omid10)

```
C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT_Szakdolgozat/from_stata/tables/eredmenyek_2012-  
dir : seeout
```

(40447 observations deleted)
(4627 observations deleted)

Fixed-effects (within) regression
Group variable: **omid10**

Number of obs = **34248**
Number of groups = **607**

R-sq: within = **0.0571**
between = **0.8181**
overall = **0.2896**

Obs per group: min = **8**
avg = **56.4**
max = **245**

corr(u_i, Xb) = **0.5657**

F(12, 606) = **76.94**
Prob > F = **0.0000**

(Std. Err. adjusted for **607** clusters in omid10)

o_zpsc_10	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sum10_1of5	-5.794092	2.401074	-2.41	0.016	-10.50953	-1.078655
sum10_2of5	-6.43992	4.025652	-1.60	0.110	-14.34584	1.466004
sum10_3of5	-22.13329	9.683772	-2.29	0.023	-41.15112	-3.115462
sum10_4of5	-55.79542	17.00468	-3.28	0.001	-89.19066	-22.40017
sum10_5of5	64.49126	30.0629	2.15	0.032	5.45114	123.5314
cs_h_index	47.97261	1.8415	26.05	0.000	44.35612	51.58911
sum10_1of5#c.cs_h_index 1	-1.321132	2.406596	-0.55	0.583	-6.047414	3.405149
sum10_2of5#c.cs_h_index 1	-4.6402	3.746712	-1.24	0.216	-11.99832	2.717917
sum10_3of5#c.cs_h_index 1	-.1123488	11.52232	-0.01	0.992	-22.74088	22.51618
sum10_4of5#c.cs_h_index 1	84.68687	12.71438	6.66	0.000	59.71728	109.6565
sum10_5of5#c.cs_h_index 1	-75.25408	27.40847	-2.75	0.006	-129.0812	-21.42697
nem	-25.52345	2.070503	-12.33	0.000	-29.58968	-21.45721
fiu	1651.676	1.176159	1404.30	0.000	1649.367	1653.986
_cons						
sigma_u	108.4642					
sigma_e	141.63159					
rho	.36967341	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT_Szakdolgozat/from_stata/tables/eredmenyek_2012-
dir : seeout

(40447 observations deleted)
(4627 observations deleted)

note: cs_h_index_8 omitted because of collinearity

Fixed-effects (within) regression
Group variable: **omid10**

Number of obs = **34756**
Number of groups = **607**

R-sq: within = **0.0557**
between = **0.8270**
overall = **0.2695**

Obs per group: min = **15**
avg = **57.3**
max = **232**

corr(u_i, Xb) = **0.5560**

F(12, 606) = **101.66**
Prob > F = **0.0000**

(Std. Err. adjusted for 607 clusters in omid10)

o_zpsc_8	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
cs_h_index_8	42.28294	1.684761	25.10	0.000	38.97426	45.59162
sum10_1of5	14.60521	2.572789	5.68	0.000	9.552543	19.65787
sum10_2of5	25.12003	4.87783	5.15	0.000	15.54053	34.69954
sum10_3of5	73.43135	8.28172	8.87	0.000	57.16699	89.69571
sum10_4of5	1.95724	25.61561	0.08	0.939	-48.3489	52.26338
sum10_5of5	249.6526	20.28093	12.31	0.000	209.8232	289.4821
cs_h_index_8	0	(omitted)				
sum10_1of5#c.cs_h_index_8 1	-.0502274	2.848943	-0.02	0.986	-5.645228	5.544773
sum10_2of5#c.cs_h_index_8 1	1.376389	4.653318	0.30	0.767	-7.762197	10.51498
sum10_3of5#c.cs_h_index_8 1	-6.889246	7.15912	-0.96	0.336	-20.94894	7.170452
sum10_4of5#c.cs_h_index_8 1	53.04117	25.48941	2.08	0.038	2.982864	103.0995
sum10_5of5#c.cs_h_index_8 1	2.39136	47.06395	0.05	0.959	-90.03689	94.81961
nem						
fiú	-28.24514	1.745047	-16.19	0.000	-31.67222	-24.81807
_cons	1615.973	1.087971	1485.31	0.000	1613.836	1618.109
sigma_u	95.029039					
sigma_e	138.84942					
rho	.31899049	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT Szakdolgozat/from stata/tables/eredmenyek_2012-
dir : seeout
(40447 observations deleted)
(4627 observations deleted)
note: cs_h_index_8 omitted because of collinearity

Fixed-effects (within) regression	Number of obs	=	34756
Group variable: omid10	Number of groups	=	607
R-sq: within = 0.0523	Obs per group: min	=	15
between = 0.8279	avg	=	57.3
overall = 0.2668	max	=	232
corr(u_i, Xb) = 0.5608	F(12, 606)	=	89.79
	Prob > F	=	0.0000

(Std. Err. adjusted for 607 clusters in omid10)

o_zpsc_8	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
cs_h_index_8	43.07586	1.638941	26.28	0.000	39.85717	46.29456
sum10_1of5	3.106154	2.397128	1.30	0.196	-1.601532	7.813841
sum10_2of5	21.6889	4.431877	4.89	0.000	12.9852	30.39261
sum10_3of5	49.0699	11.36211	4.32	0.000	26.75601	71.38378
sum10_4of5	15.81798	20.12824	0.79	0.432	-23.7116	55.34756
sum10_5of5	246.4587	20.56844	11.98	0.000	206.0646	286.8528
cs_h_index_8	0	(omitted)				
sum10_1of5#c.cs_h_index_8 1	-1.522664	2.515765	-0.61	0.545	-6.46334	3.418012
sum10_2of5#c.cs_h_index_8 1	-3.328814	4.44594	-0.75	0.454	-12.06013	5.402506
sum10_3of5#c.cs_h_index_8						

note: csh_index_8 omitted because of collinearity

```
Fixed-effects (within) regression      Number of obs   =    34756
Group variable: omid10                Number of groups =     607
```

R-sq:	within	=	0.0526	Obs per group:	min	=	15
	between	=	0.8271		avg	=	57.3
	overall	=	0.2654		max	=	232

corr(u i, Xb)	= 0.5577	F(12,606)	= 91.42
		Prob > F	= 0.0000

(Std. Err. adjusted for **607** clusters in omid10)

o_zpsc_8	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
cs_h_index_8	43.19193	1.676217	25.77	0.000	39.90003	46.48384
sum10_1of5	6.742499	2.449067	2.75	0.006	1.93281	11.55219
sum10_2of5	20.02808	3.827114	5.23	0.000	12.51207	27.5441
sum10_3of5	49.93353	10.22317	4.88	0.000	29.85639	70.01066
sum10_4of5	-28.41066	24.48008	-1.16	0.246	-76.48676	19.66544
sum10_5of5	247.5628	20.5263	12.06	0.000	207.2515	287.8741
cs_h_index_8	0	(omitted)				
sum10_1of5#c.cs_h_index_8_1	-1.009849	2.540782	-0.40	0.691	-5.999655	3.979958
sum10_2of5#c.cs_h_index_8_1	-3.589595	4.151709	-0.86	0.388	-11.74308	4.563891
sum10_3of5#c.cs_h_index_8_1	-15.97387	9.951793	-1.61	0.109	-35.51806	3.57032
sum10_4of5#c.cs_h_index_8_1	-57.65844	46.18332	-1.25	0.212	-148.3572	33.04036
sum10_5of5#c.cs_h_index_8_1	-2.561508	47.49649	-0.05	0.957	-95.83921	90.7162
nem						
fiú	-28.07751	1.748563	-16.06	0.000	-31.51148	-24.64353
_cons	1617.795	1.109765	1457.78	0.000	1615.615	1619.974
sigma_u	95.623876					
sigma_e	139.08031					
rho	.32098299	(fraction of variance due to u_i)				

```
C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT Szakdolgozat/from stata/tables/eredmenyek 2012-  
dir : seeout
```

```

all : success
(40447 observations deleted)

```

```
(4627 observations deleted)
```

```
note: csh index 8 omitted because of collinearity
```

```
Fixed-effects (within) regression      Number of obs   =    34756
Group variable: omid10                Number of groups =     607
```

R-sq:	within	=	0.0566	Obs per group:	min	=	15
	between	=	0.8183		avg	=	57.3
	overall	=	0.2722		max	=	232

corr(u i, Xb)	=	0.5566	F(12, 606)	=	104.79
			Prob > F	=	0.0000

(Std. Err. adjusted for 607 clusters in omid10)

o_zpsc_8	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
cs_h_index_8	43.11508	1.694522	25.44	0.000	39.78723	46.44293
sum10_1of5	11.57384	2.476373	4.67	0.000	6.710527	16.43716
sum10_2of5	34.49998	4.821184	7.16	0.000	25.03172	43.96823
sum10_3of5	68.21058	8.209983	8.31	0.000	52.0871	84.33405
sum10_4of5	90.43871	22.20744	4.07	0.000	46.82582	134.0516
sum10_5of5	251.0757	20.28227	12.38	0.000	211.2436	290.9078
cs_h_index_8	0	(omitted)				
sum10_1of5#c.cs_h_index_8 1	-3.485303	2.775135	-1.26	0.210	-8.935353	1.964748
sum10_2of5#c.cs_h_index_8 1	-6.147075	4.746612	-1.30	0.196	-15.46888	3.174731
sum10_3of5#c.cs_h_index_8 1	4.186685	6.377306	0.66	0.512	-8.337619	16.71099
sum10_4of5#c.cs_h_index_8 1	-15.10744	14.91796	-1.01	0.312	-44.40463	14.18974
sum10_5of5#c.cs_h_index_8 1	1.52742	47.01412	0.03	0.974	-90.80297	93.85781
nem						
fiú	-28.25445	1.741632	-16.22	0.000	-31.67482	-24.83409
_cons	1615.847	1.085498	1488.58	0.000	1613.715	1617.979
sigma_u	94.537573					
sigma_e	138.78502					
rho	.31694276	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT Szakdolgozat/from stata/tables/eredmenyek_2012-

dir : seeout

(40447 observations deleted)

(4627 observations deleted)

note: cs_h_index_8 omitted because of collinearity

Fixed-effects (within) regression

Group variable: **omid10**

Number of obs = **34756**

Number of groups = **607**

R-sq: within = **0.0523**

between = **0.8277**

overall = **0.2670**

Obs per group: min = **15**

avg = **57.3**

max = **232**

corr(u_i, Xb) = **0.5611**

F(12, 606) = **89.92**

Prob > F = **0.0000**

(Std. Err. adjusted for 607 clusters in omid10)

o_zpsc_8	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
cs_h_index_8	42.95823	1.65428	25.97	0.000	39.70942	46.20705
sum10_1of5	.4598202	2.438083	0.19	0.850	-4.328298	5.247939
sum10_2of5	22.48046	4.609525	4.88	0.000	13.42787	31.53304
sum10_3of5	36.44941	10.33001	3.53	0.000	16.16244	56.73637
sum10_4of5	40.99455	19.85112	2.07	0.039	2.009201	79.9799
sum10_5of5	245.8939	20.59223	11.94	0.000	205.4531	286.3347
cs_h_index_8	0	(omitted)				
sum10_1of5#c.cs_h_index_8 1	-1.133935	2.618746	-0.43	0.665	-6.276854	4.008984
sum10_2of5#c.cs_h_index_8 1	-1.952959	4.835892	-0.40	0.686	-11.4501	7.544182
sum10_3of5#c.cs_h_index_8						

1	-23.10599	10.50725	-2.20	0.028	-43.74103	-2.470955
sum10_4of5#c.csh_index_8 1	20.91825	13.77649	1.52	0.129	-6.137217	47.97372
sum10_5of5#c.csh_index_8 1	-2.998361	47.71795	-0.06	0.950	-96.71099	90.71427
nem						
fiú	-28.1578	1.748023	-16.11	0.000	-31.59072	-24.72489
_cons	1619.456	1.096235	1477.29	0.000	1617.303	1621.609
sigma_u	95.389276					
sigma_e	139.10125					
rho	.3198477	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT Szakdolgozat/from stata/tables/eredmenyek 2012-
dir : seeout

(40447 observations deleted)
(4627 observations deleted)

Random-effects GLS regression
Group variable: **omid10**

Number of obs = **34248**
Number of groups = **607**

R-sq: within = **0.0567**
between = **0.8186**
overall = **0.2900**

Obs per group: min = **8**
avg = **56.4**
max = **245**

corr(u_i, X) = **0** (assumed)

Wald chi2(12) = **1454.66**
Prob > chi2 = **0.0000**

(Std. Err. adjusted for **607** clusters in **omid10**)

o_zpsc_10	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
sum10_1of5	2.279324	2.68728	0.85	0.396	-2.987648	7.546297
sum10_2of5	3.109975	4.43643	0.70	0.483	-5.585267	11.80522
sum10_3of5	1.616621	9.178758	0.18	0.860	-16.37341	19.60666
sum10_4of5	35.60176	22.96006	1.55	0.121	-9.399136	80.60265
sum10_5of5	65.25231	30.14689	2.16	0.030	6.165485	124.3391
csh_index	58.4665	1.763223	33.16	0.000	55.01065	61.92235
sum10_1of5#c.csh_index 1	3.355227	2.716207	1.24	0.217	-1.96844	8.678894
sum10_2of5#c.csh_index 1	4.952678	3.927251	1.26	0.207	-2.744594	12.64995
sum10_3of5#c.csh_index 1	15.51094	8.037488	1.93	0.054	-.2422475	31.26413
sum10_4of5#c.csh_index 1	17.77783	19.20632	0.93	0.355	-19.86586	55.42152
sum10_5of5#c.csh_index 1	-70.55589	30.50766	-2.31	0.021	-130.3498	-10.76197
nem						
fiú	-28.87804	2.056286	-14.04	0.000	-32.90828	-24.84779
_cons	1638.004	4.187776	391.14	0.000	1629.796	1646.212
sigma_u	52.384836					
sigma_e	141.65418					
rho	.1203052	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT Szakdolgozat/from stata/tables/eredmenyek 2012-
dir : seeout

(40447 observations deleted)
(4627 observations deleted)

Random-effects GLS regression
Group variable: **omid10**

Number of obs = **34248**
Number of groups = **607**

R-sq: within = **0.0570**
between = **0.8200**
overall = **0.2907**

Obs per group: min = **8**
avg = **56.4**
max = **245**

corr(u_i, X) = **0** (assumed)

Wald chi2(12) = **1473.91**
Prob > chi2 = **0.0000**

(Std. Err. adjusted for **607** clusters in **omid10**)

o_zpsc_10	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
sum10_1of5	-8.126956	2.408904	-3.37	0.001	-12.84832	-3.40559
sum10_2of5	-8.830599	4.019088	-2.20	0.028	-16.70787	-.9533318
sum10_3of5	-27.63043	10.75226	-2.57	0.010	-48.70447	-6.556397
sum10_4of5	-20.69873	14.7862	-1.40	0.162	-49.67915	8.281697
sum10_5of5	60.35987	30.03685	2.01	0.044	1.488731	119.231
csch_index	59.82547	1.762596	33.94	0.000	56.37084	63.28009
sum10_1of5#c.sch_index 1	-.5918243	2.493355	-0.24	0.812	-5.478709	4.295061
sum10_2of5#c.sch_index 1	-4.461398	3.746394	-1.19	0.234	-11.8042	2.8814
sum10_3of5#c.sch_index 1	-13.5831	12.85126	-1.06	0.291	-38.7711	11.60491
sum10_4of5#c.sch_index 1	46.38102	15.21495	3.05	0.002	16.56027	76.20177
sum10_5of5#c.sch_index 1	-71.91545	30.74951	-2.34	0.019	-132.1834	-11.64751
nem						
fiu	-29.02754	2.057196	-14.11	0.000	-33.05957	-24.99551
_cons	1641.123	4.255373	385.66	0.000	1632.783	1649.464
sigma_u	52.206089					
sigma_e	141.62588					
rho	.11962569	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT Szakdolgozat/from stata/tables/eredmenyek 2012-
dir : seeout
(40447 observations deleted)
(4627 observations deleted)

Random-effects GLS regression
Group variable: **omid10**

Number of obs = **34248**
Number of groups = **607**

R-sq: within = **0.0567**
between = **0.8200**
overall = **0.2915**

Obs per group: min = **8**
avg = **56.4**
max = **245**

corr(u_i, X) = **0** (assumed)

Wald chi2(12) = **1487.68**
Prob > chi2 = **0.0000**

(Std. Err. adjusted for **607** clusters in **omid10**)

o_zpsc_10	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
sum10_1of5	1.423614	2.483112	0.57	0.566	-3.443196	6.290424
sum10_2of5	1.96563	4.079408	0.48	0.630	-6.029862	9.961122
sum10_3of5	3.443175	10.72358	0.32	0.748	-17.57466	24.46101
sum10_4of5	38.18307	15.65373	2.44	0.015	7.502328	68.86382
sum10_5of5	65.04211	30.08672	2.16	0.031	6.073226	124.011
csch_index	58.82479	1.767506	33.28	0.000	55.36054	62.28904

sum10_1of5#c.csh_index 1	2.470134	2.529516	0.98	0.329	-2.487626	7.427894
sum10_2of5#c.csh_index 1	-.7282666	4.036964	-0.18	0.857	-8.640571	7.184038
sum10_3of5#c.csh_index 1	14.08822	9.18212	1.53	0.125	-3.9084	32.08485
sum10_4of5#c.csh_index 1	12.79713	11.85779	1.08	0.280	-10.44371	36.03798
sum10_5of5#c.csh_index 1	-70.61107	30.56697	-2.31	0.021	-130.5212	-10.7009
nem fiú	-28.92005	2.053193	-14.09	0.000	-32.94423	-24.89586
_cons	1637.926	4.180045	391.84	0.000	1629.733	1646.118
sigma_u	52.451537					
sigma_e	141.65259					
rho	.12057718	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT_Szakdolgozat/from_stata/tables/eredmenyek_2012-
dir : seeout

(40447 observations deleted)

(4627 observations deleted)

Random-effects GLS regression
Group variable: **omid10**

Number of obs = **34248**
Number of groups = **607**

R-sq: within = **0.0566**
between = **0.8192**
overall = **0.2907**

Obs per group: min = **8**
avg = **56.4**
max = **245**

corr(u_i, X) = **0** (assumed)

Wald chi2(12) = **1431.23**
Prob > chi2 = **0.0000**

(Std. Err. adjusted for **607** clusters in **omid10**)

o_zpsc_10	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
sum10_1of5	-6.055281	2.310504	-2.62	0.009	-10.58378	-1.526777
sum10_2of5	-6.556577	3.700239	-1.77	0.076	-13.80891	.6957584
sum10_3of5	-24.85802	10.12244	-2.46	0.014	-44.69765	-5.018395
sum10_4of5	12.07144	20.75224	0.58	0.561	-28.60221	52.74509
sum10_5of5	61.03895	30.08789	2.03	0.042	2.067776	120.0101
csh_index	59.86844	1.759684	34.02	0.000	56.41952	63.31736
sum10_1of5#c.csh_index 1	-1.536332	2.372613	-0.65	0.517	-6.186569	3.113904
sum10_2of5#c.csh_index 1	-2.474473	3.530714	-0.70	0.483	-9.394545	4.445598
sum10_3of5#c.csh_index 1	3.481189	11.57321	0.30	0.764	-19.20188	26.16426
sum10_4of5#c.csh_index 1	-7.044217	42.40447	-0.17	0.868	-90.15545	76.06701
sum10_5of5#c.csh_index 1	-72.12053	30.69439	-2.35	0.019	-132.2804	-11.96064
nem fiú	-28.9726	2.055168	-14.10	0.000	-33.00066	-24.94455
_cons	1640.711	4.248644	386.17	0.000	1632.384	1649.038
sigma_u	52.443873					
sigma_e	141.65837					
rho	.12053755	(fraction of variance due to u_i)				

```
C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT Szakdolgozat/from stata/tables/eredmenyek 2012-  
dir : seeout  
(40447 observations deleted)  
(4627 observations deleted)
```

(Std. Err. adjusted for **607** clusters in omid10)

```
C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT Szakdolgozat/from stata/tables/eredmenyek 2012-  
dir : seeout  
(40447 observations deleted)  
(4627 observations deleted)
```

(Std. Err. adjusted for 607 clusters in omid10)

o_zpsc_10	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
sum10_1of5	-8.236434	2.441735	-3.37	0.001	-13.02215	-3.450722
sum10_2of5	-8.23407	4.005966	-2.06	0.040	-16.08562	-.3825212
sum10_3of5	-23.65371	9.846887	-2.40	0.016	-42.95325	-4.354167
sum10_4of5	-52.56283	18.10859	-2.90	0.004	-88.05502	-17.07064
sum10_5of5	60.32221	30.05569	2.01	0.045	1.414147	119.2303
csch_index	59.89217	1.732475	34.57	0.000	56.49658	63.28776
sum10_1of5#c.sch_index_1	-1.433305	2.434459	-0.59	0.556	-6.204757	3.338146
sum10_2of5#c.sch_index_1	-4.817259	3.821926	-1.26	0.208	-12.3081	2.673579
sum10_3of5#c.sch_index_1	-4.262345	11.69841	-0.36	0.716	-27.1908	18.66611
sum10_4of5#c.sch_index_1	78.12173	12.89701	6.06	0.000	52.84406	103.3994
sum10_5of5#c.sch_index_1	-72.06448	30.71345	-2.35	0.019	-132.2617	-11.86722
nem						
fiu	-28.96445	2.056743	-14.08	0.000	-32.99559	-24.93331
_cons	1641.087	4.236937	387.33	0.000	1632.783	1649.392
sigma_u	52.401953					
sigma_e	141.63159					
rho	.12040815	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT_Szakdolgozat/from_stata/tables/eredmenyek_2012-dir : seeout

(40447 observations deleted)

(4627 observations deleted)

note: csch_index_8 omitted because of collinearity

Random-effects GLS regression

Group variable: omid10

Number of obs = 34756

Number of groups = 607

R-sq: within = 0.0552

between = 0.8382

overall = 0.2760

Obs per group: min = 15

avg = 57.3

max = 232

corr(u_i, X) = 0 (assumed)

Wald chi2(12) = 1999.47

Prob > chi2 = 0.0000

(Std. Err. adjusted for 607 clusters in omid10)

o_zpsc_8	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
csch_index_8	57.02526	1.650623	34.55	0.000	53.7901	60.26042
sum10_1of5	13.19329	2.672804	4.94	0.000	7.954685	18.43189
sum10_2of5	27.771	5.104418	5.44	0.000	17.76653	37.77548
sum10_3of5	77.49389	8.47793	9.14	0.000	60.87745	94.11033
sum10_4of5	9.205067	25.73619	0.36	0.721	-41.23695	59.64708
sum10_5of5	246.4565	18.63271	13.23	0.000	209.9371	282.9759
csch_index_8	0	(omitted)				
sum10_1of5#c.sch_index_8_1	.3413674	2.826713	0.12	0.904	-5.198888	5.881623
sum10_2of5#c.sch_index_8_1	1.473595	4.736961	0.31	0.756	-7.810679	10.75787
sum10_3of5#c.sch_index_8_1	-5.800245	7.578592	-0.77	0.444	-20.65401	9.053523

sum10_4of5#c.csh_index_8 1	46.00514	24.64139	1.87	0.062	-2.291098	94.30137
sum10_5of5#c.csh_index_8 1	2.778353	42.20437	0.07	0.948	-79.9407	85.4974
nem						
fiú	-32.52644	1.735732	-18.74	0.000	-35.92842	-29.12447
_cons	1606.471	3.709513	433.07	0.000	1599.201	1613.742
sigma_u	40.953893					
sigma_e	138.84942					
rho	.08003392	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT_Szakdolgozat/from_stata/tables/eredmenyek_2012-
dir : seeout

(40447 observations deleted)

(4627 observations deleted)

note: csh_index_8 omitted because of collinearity

Random-effects GLS regression
Group variable: **omid10**

Number of obs = **34756**
Number of groups = **607**

R-sq: within = **0.0519**
between = **0.8369**
overall = **0.2721**

Obs per group: min = **15**
avg = **57.3**
max = **232**

corr(u_i, X) = **0** (assumed)

Wald chi2(12) = **1839.98**
Prob > chi2 = **0.0000**

(Std. Err. adjusted for **607** clusters in **omid10**)

o_zpsc_8	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
csh_index_8	57.70423	1.611227	35.81	0.000	54.54628	60.86218
sum10_1of5	-.0339158	2.48928	-0.01	0.989	-4.912815	4.844984
sum10_2of5	20.99557	4.308887	4.87	0.000	12.55031	29.44083
sum10_3of5	46.9982	11.14054	4.22	0.000	25.16313	68.83326
sum10_4of5	20.22169	20.37439	0.99	0.321	-19.71139	60.15477
sum10_5of5	242.3007	18.8954	12.82	0.000	205.2664	279.335
csh_index_8	0	(omitted)				
sum10_1of5#c.csh_index_8 1	-1.683898	2.596523	-0.65	0.517	-6.77299	3.405194
sum10_2of5#c.csh_index_8 1	-3.449061	4.329447	-0.80	0.426	-11.93462	5.0365
sum10_3of5#c.csh_index_8 1	-29.42318	11.83858	-2.49	0.013	-52.62636	-6.219999
sum10_4of5#c.csh_index_8 1	-4.824739	22.68882	-0.21	0.832	-49.29401	39.64453
sum10_5of5#c.csh_index_8 1	-2.875847	42.60179	-0.07	0.946	-86.37382	80.62213
nem						
fiú	-32.34579	1.736006	-18.63	0.000	-35.7483	-28.94328
_cons	1609.868	3.76648	427.42	0.000	1602.486	1617.25
sigma_u	41.520348					
sigma_e	139.10024					
rho	.08180868	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT_Szakdolgozat/from_stata/tables/eredmenyek_2012-
dir : seeout

(40447 observations deleted)

(4627 observations deleted)

note: csh_index_8 omitted because of collinearity

```
Number of obs      =    34756
Number of groups   =     607
```

```
Obs per group: min =      15
               avg =    57.3
               max =    232
```

```
Wald chi2(12)      =    2053.70
Prob > chi2        =     0.0000
```

o_zpsc_8	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
csH_index_8	57.18101	1.633741	35.00	0.000	53.97894	60.38308
sum10_1of5	13.52392	2.548616	5.31	0.000	8.528725	18.51912
sum10_2of5	34.29303	4.356492	7.87	0.000	25.75447	42.8316
sum10_3of5	68.89394	8.89213	7.75	0.000	51.46569	86.3222
sum10_4of5	113.0885	15.33527	7.37	0.000	83.0319	143.145
sum10_5of5	247.6798	18.59659	13.32	0.000	211.2311	284.1285
csH_index_8	0	(omitted)				
sum10_1of5#c.csh_index_8 1	-2.2046	2.652953	-0.83	0.406	-7.404293	2.995093
sum10_2of5#c.csh_index_8 1	-2.61321	4.458482	-0.59	0.558	-11.35167	6.125255
sum10_3of5#c.csh_index_8 1	4.044071	6.416777	0.63	0.529	-8.53258	16.62072
sum10_4of5#c.csh_index_8 1	-18.2096	11.90329	-1.53	0.126	-41.53962	5.120432
sum10_5of5#c.csh_index_8 1	3.050534	42.22421	0.07	0.942	-79.7074	85.80847
nem						
fiú	-32.42323	1.731707	-18.72	0.000	-35.81731	-29.02915
_cons	1605.072	3.696142	434.26	0.000	1597.828	1612.317
sigma_u	41.371054					
sigma_e	138.74905					
rho	.08164744	(fraction of variance due to u_i)				

```
(40447 observations deleted)
(4627 observations deleted)
note: csh index 8 omitted because of collinearity
```

```
Number of obs      =    34756
Number of groups   =     607
```

```
Obs per group: min =      15
               avg =    57.3
               max =    232
```

```
Wald chi2(12)      = 1882.74
Prob > chi2        = 0.0000
```


(Std. Err. adjusted for 607 clusters in omid10)

o_zpsc_8	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
cs_h_index_8	57.80978	1.642914	35.19	0.000	54.58972	61.02983
sum10_1of5	3.642911	2.501763	1.46	0.145	-1.260455	8.546276
sum10_2of5	18.32198	3.835951	4.78	0.000	10.80365	25.84031
sum10_3of5	48.04224	10.13715	4.74	0.000	28.17378	67.9107
sum10_4of5	-24.08166	24.31606	-0.99	0.322	-71.74026	23.57694
sum10_5of5	243.2887	18.8871	12.88	0.000	206.2706	280.3067
cs_h_index_8	0	(omitted)				
sum10_1of5#c.cs_h_index_8 1	-1.29873	2.605605	-0.50	0.618	-6.405621	3.808161
sum10_2of5#c.cs_h_index_8 1	-3.860687	4.056641	-0.95	0.341	-11.81156	4.090183
sum10_3of5#c.cs_h_index_8 1	-19.47579	9.708811	-2.01	0.045	-38.50471	-.4468699
sum10_4of5#c.cs_h_index_8 1	-64.14229	46.42918	-1.38	0.167	-155.1418	26.85724
sum10_5of5#c.cs_h_index_8 1	-2.262626	42.53407	-0.05	0.958	-85.62786	81.10261
nem						
fiú	-32.2938	1.735413	-18.61	0.000	-35.69514	-28.89245
_cons	1608.865	3.794736	423.97	0.000	1601.427	1616.302
sigma_u	41.628997					
sigma_e	139.08031					
rho	.08222377	(fraction of variance due to u_i)				

C:/Users/Tomi/Google Drive/ELTE/SZAKDOLGOZAT/BT Szakdolgozat/from stata/tables/eredmenyek_2012-

dir : seeout

(40447 observations deleted)

(4627 observations deleted)

note: cs_h_index_8 omitted because of collinearity

Random-effects GLS regression

Group variable: omid10

Number of obs = 34756

Number of groups = 607

R-sq: within = 0.0561

between = 0.8308

overall = 0.2783

Obs per group: min = 15

avg = 57.3

max = 232

corr(u_i, X) = 0 (assumed)

Wald chi2(12) = 2063.69

Prob > chi2 = 0.0000

(Std. Err. adjusted for 607 clusters in omid10)

o_zpsc_8	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
cs_h_index_8	56.95687	1.65793	34.35	0.000	53.70738	60.20635
sum10_1of5	12.35126	2.595929	4.76	0.000	7.263335	17.43919
sum10_2of5	38.70592	4.950264	7.82	0.000	29.00358	48.40826
sum10_3of5	71.9248	8.481531	8.48	0.000	55.30131	88.5483
sum10_4of5	95.70692	21.08155	4.54	0.000	54.38784	137.026
sum10_5of5	248.2365	18.6716	13.29	0.000	211.6409	284.8322
cs_h_index_8	0	(omitted)				
sum10_1of5#c.cs_h_index_8 1	-1.292578	2.747207	-0.47	0.638	-6.677005	4.091849
sum10_2of5#c.cs_h_index_8 1	-5.089862	4.977818	-1.02	0.307	-14.84621	4.666483
sum10_3of5#c.cs_h_index_8						

name: <unnamed>
log: C:\Users\Tomi\Google Drive\ELTE\SZAKDOLGOZAT\stata\OH adatokkal\02_analysis_2012-2
log type: smcl
closed on: 8 Apr 2016, 17:28:08
