

Nyolc ábra egy magyar csodáról

Számítások

1. Mészáros és társai által nyert közbeszerzések

```
. tab datey meszaros if good==1
```

datey	meszaros		Total
	0	1	
2005	2,841	0	2,841
2006	6,101	0	6,101
2007	4,413	0	4,413
2008	10,210	0	10,210
2009	15,985	0	15,985
2010	19,573	0	19,573
2011	13,902	1	13,903
2012	14,525	8	14,533
2013	21,652	1	21,653
2014	23,332	4	23,336
2015	22,709	10	22,719
2016	16,227	7	16,234
2017	19,044	19	19,063
2018	23,611	27	23,638
Total	214,125	77	214,202

EU támogatásokból finanszírozott projektek szerződesei (EU==1)

```
. tab datey meszaros if good==1 & eu==1
```

datey	meszaros		Total
	0	1	
2005	427	0	427
2006	1,072	0	1,072
2007	230	0	230
2008	2,489	0	2,489
2009	5,403	0	5,403
2010	8,544	0	8,544
2011	6,155	1	6,156
2012	5,636	7	5,643
2013	9,328	1	9,329
2014	9,775	3	9,778
2015	8,494	8	8,502
2016	2,128	4	2,132
2017	4,165	14	4,179
2018	9,379	18	9,397
Total	73,225	56	73,281

2. 100.000 forintra kerekítés a nyertes árakban, építőipar, logit becslés

```
. tab round5 if good==1 & datey>2010 & sector==2
```

round5	Freq.	Percent	Cum.
0	48,414	80.10	80.10
1	12,030	19.90	100.00
Total	60,444	100.00	

```
. tab round5 meszaros if good==1 & datey>2010, col chi
```

round5	meszaros		Total
	0	1	
0	122,998	48	123,046
	79.12	62.34	79.11
1	32,469	29	32,498
	20.88	37.66	20.89
Total	155,467	77	155,544
	100.00	100.00	100.00

Pearson chi2(1) = 13.1073 Pr = 0.000

```
. tab round5 meszaros if good==1 & datey>2010 & sector==2, col chi
```

round5	meszaros		Total
	0	1	
0	48,367	47	48,414
	80.12	62.67	80.10
1	12,002	28	12,030
	19.88	37.33	19.90
Total	60,369	75	60,444
	100.00	100.00	100.00

Pearson chi2(1) = 14.3118 Pr = 0.000

```
. logit round5 i.datey meszaros lnncv if good==1 & datey>2010 & sector==2, or
```

```
Logistic regression                               Number of obs   =       59313
                                                  LR chi2(9)      =    1584.43
                                                  Prob > chi2     =       0.0000
Log likelihood = -27849.684                       Pseudo R2      =       0.0277
```

round5	Odds Ratio	Std. Err.	z	P> z	[95% Conf. Interval]

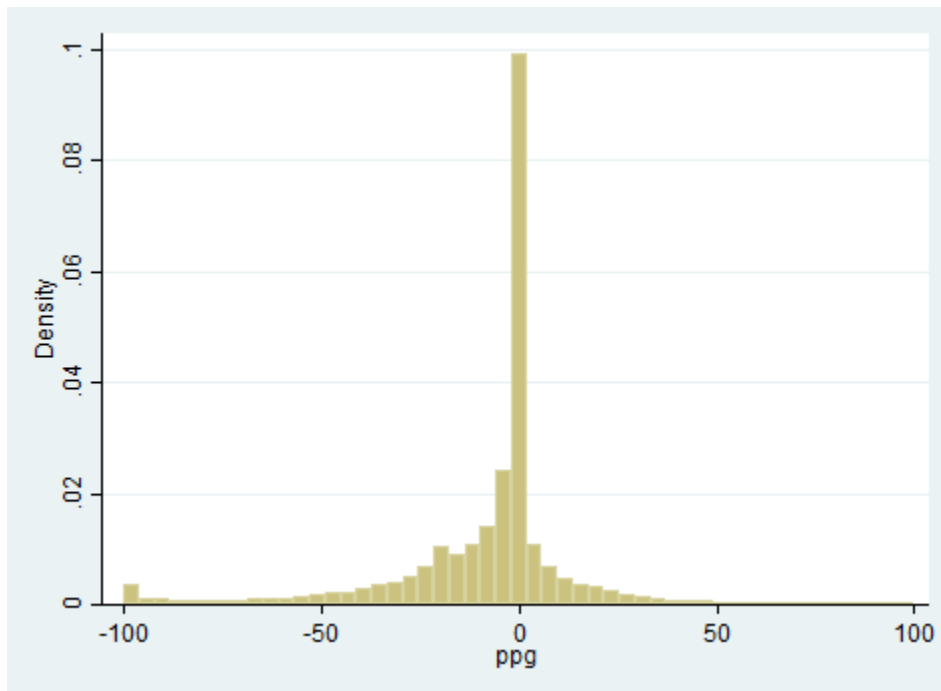
datey					
2012	1.401157	.0609377	7.76	0.000	1.28667 1.525831
2013	1.322454	.054381	6.80	0.000	1.220051 1.433451
2014	.8440199	.035655	-4.01	0.000	.7769522 .916877
2015	.8470506	.0366171	-3.84	0.000	.7782388 .9219468
2016	.9833199	.0450826	-0.37	0.714	.8988133 1.075772
2017	.6300369	.0290645	-10.01	0.000	.5755709 .6896569
2018	.3658941	.0170044	-21.63	0.000	.3340389 .4007871

meszaros	2.23256	.5467028	3.28	0.001	1.381539 3.607803
lnncv	1.122701	.0070483	18.44	0.000	1.108972 1.136601
_cons	.0366956	.0040267	-30.12	0.000	.0295944 .0455007

3. PPG: a relatív árkülönbség

PPG = (a nyertes nettó szerződéses ár - becsült érték) / becsült érték * 100
Ahol $-100 \leq \text{PPG} \leq 100$ közötti értékeit vettük figyelembe, mint érvényes értékeket az elemzés során

A PPG hisztogramja



```
. rreg ppg i.datey i.sector meszaros lnncv if good==1 & datey>2010
```

Robust regression

Number of obs = 116491
F(13,116477) = 136.65
Prob > F = 0.0000

ppg	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	

datey						
2012	.3720237	.0851646	4.37	0.000	.2051023	.538945
2013	.5112077	.0771247	6.63	0.000	.3600444	.662371
2014	.6407855	.0749981	8.54	0.000	.4937904	.7877805
2015	.5441289	.0753456	7.22	0.000	.3964527	.6918051
2016	.4547062	.0804446	5.65	0.000	.2970361	.6123764
2017	.6322067	.0786425	8.04	0.000	.4780686	.7863449
2018	1.068314	.0756633	14.12	0.000	.9200149	1.216613
sector						
2	.6004748	.0417098	14.40	0.000	.5187243	.6822253
3	.6270227	.0785134	7.99	0.000	.4731377	.7809077
4	.0019659	.0663343	0.03	0.976	-.1280482	.13198
5	.8127858	.0664405	12.23	0.000	.6825636	.9430081
meszaros	1.447998	.7001502	2.07	0.039	.0757146	2.820281
lnncv	.2556568	.0091861	27.83	0.000	.2376523	.2736613
_cons	-6.705411	.1569088	-42.73	0.000	-7.01295	-6.397872
