



User: regresiones

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name: <unnamed>
log: D:\STATA LIMPIO\3_OUTPUT\regresiones.smcl
log type: smcl
opened on: 9 Jan 2023, 21:46:11

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1 .
2 . **REGRESIONES PRINCIPALES
3 . **a nivel de CIUU 4 digitos
4 . *regresiones de todas las empresas
5 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas , abs(IndustriaTiempo1 IRUC) vce(robust)
   (dropped 2918 singleton observations)
   (MWFE estimator converged in 93 iterations)

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HDFE Linear regression	Number of obs	=	6,223
Absorbing 2 HDFE groups	F(4, 3818)	=	78.86
	Prob > F	=	0.0000
	R-squared	=	0.9054
	Adj R-squared	=	0.8458
	Within R-sq.	=	0.2006
	Root MSE	=	0.8386

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.3511474	.0419632	8.37	0.000	.268875	.4334199
logcapital	.0597168	.0375634	1.59	0.112	-.0139295	.133363
logmaterial	.2606641	.0236338	11.03	0.000	.2143279	.3070003
logCantidadEmpresas	.0148554	.0193729	0.77	0.443	-.0231268	.0528376
_cons	9.686057	.600485	16.13	0.000	8.508755	10.86336

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	444	0	444
IRUC	1963	6	1957

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6 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas , abs(IndustriaTiempo1 ubigeo) vce(robust)
   > t)
   (dropped 152 singleton observations)
   (MWFE estimator converged in 12 iterations)

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HDFE Linear regression	Number of obs	=	8,989
Absorbing 2 HDFE groups	F(4, 8205)	=	4013.71
	Prob > F	=	0.0000
	R-squared	=	0.7649
	Adj R-squared	=	0.7425
	Within R-sq.	=	0.6783
	Root MSE	=	1.1711

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4775618	.0172544	27.68	0.000	.4437389	.5113847
logcapital	.1444748	.0112513	12.84	0.000	.1224194	.1665302
logmaterial	.4175531	.0169855	24.58	0.000	.3842572	.450849
logCantidadEmpresas	-.0523329	.0147765	-3.54	0.000	-.0812985	-.0233673
_cons	5.67157	.1878221	30.20	0.000	5.303391	6.039749

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	479	0	479
ubigeo	302	1	301

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7 .
8 . *regresiones de todas las empresas de alta intensidad tecnologica
9 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if AltaTec==1 , abs(IndustriaTiempo1 IRU
> C) vce(robust)
(dropped 119 singleton observations)
(MWFE estimator converged in 14 iterations)

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HDFE Linear regression	Number of obs	=	416
Absorbing 2 HDFE groups	F(4, 245)	=	3.48
	Prob > F	=	0.0087
	R-squared	=	0.9242
	Adj R-squared	=	0.8715
	Within R-sq.	=	0.1071
	Root MSE	=	0.7544

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.0199305	.0926006	0.22	0.830	-.1624643	.2023252
logcapital	-.2640396	.1563771	-1.69	0.093	-.5720547	.0439754
logmaterial	.2086494	.0735761	2.84	0.005	.063727	.3535718
logCantidadEmpresas	.1121971	.0963627	1.16	0.245	-.0776079	.3020021
_cons	16.72173	2.690512	6.22	0.000	11.42224	22.02122

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	40	0	40
IRUC	134	7	127

```

10 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if AltaTec==1 , abs(IndustriaTiempo1 ubi
> geo) vce(robust)
(dropped 58 singleton observations)
(MWFE estimator converged in 14 iterations)

```

HDFE Linear regression	Number of obs	=	477
Absorbing 2 HDFE groups	F(4, 371)	=	259.68
	Prob > F	=	0.0000
	R-squared	=	0.8078
	Adj R-squared	=	0.7534
	Within R-sq.	=	0.6894
	Root MSE	=	1.0777

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.5244445	.0744056	7.05	0.000	.3781349	.6707541
logcapital	.083288	.0478014	1.74	0.082	-.0107076	.1772836
logmaterial	.4130486	.0457225	9.03	0.000	.3231408	.5029565
logCantidadEmpresas	-.0362688	.080251	-0.45	0.652	-.1940727	.1215352
_cons	6.58719	.6753107	9.75	0.000	5.259273	7.915106

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	41	0	41
ubigeo	62	1	61

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11 .
12 . *regresiones de todas las empresas de media alta intensidad tecnologica
13 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if MediaAltaTec==1 , abs(IndustriaTiempo
> 1 IRUC) vce(robust)
(dropped 629 singleton observations)
(MWFE estimator converged in 70 iterations)

```

HDFE Linear regression	Number of obs	=	1,076
Absorbing 2 HDFE groups	F(4, 601)	=	10.40
	Prob > F	=	0.0000
	R-squared	=	0.9021
	Adj R-squared	=	0.8249
	Within R-sq.	=	0.1407
	Root MSE	=	0.8828

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4170335	.1371605	3.04	0.002	.1476613	.6864057
logcapital	.0674679	.0785886	0.86	0.391	-.0868737	.2218095
logmaterial	.2112461	.0523435	4.04	0.000	.1084477	.3140445
logCantidadEmpresas	.0251287	.060278	0.42	0.677	-.0932523	.1435097
_cons	10.05944	1.266189	7.94	0.000	7.572743	12.54613

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	127	0	127
IRUC	349	5	344

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14 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if MediaAltaTec==1 , abs(IndustriaTiempo
> 1 ubigeo) vce(robust)
(dropped 128 singleton observations)
(MWFE estimator converged in 14 iterations)

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HDFE Linear regression	Number of obs	=	1,577
Absorbing 2 HDFE groups	F(4, 1278)	=	509.90
	Prob > F	=	0.0000
	R-squared	=	0.7741
	Adj R-squared	=	0.7214
	Within R-sq.	=	0.6538
	Root MSE	=	1.2277

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4622281	.0424034	10.90	0.000	.3790402	.545416
logcapital	.1531674	.0298444	5.13	0.000	.0946181	.2117167
logmaterial	.4258889	.0389655	10.93	0.000	.3494455	.5023322
logCantidadEmpresas	-.1023931	.0504622	-2.03	0.043	-.2013911	-.0033952
_cons	5.610227	.4827397	11.62	0.000	4.663178	6.557277

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	149	0	149
ubigeo	147	1	146

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15 .
16 . *regresiones de todas las empresas de media baja intensidad tecnologica
17 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if MediaBajaTec==1 , abs(IndustriaTiempo
> 1 IRUC) vce(robust)
(dropped 873 singleton observations)
(MWFE estimator converged in 58 iterations)

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HDFE Linear regression	Number of obs	=	1,922
Absorbing 2 HDFE groups	F(4, 1225)	=	37.99
	Prob > F	=	0.0000
	R-squared	=	0.8986
	Adj R-squared	=	0.8410
	Within R-sq.	=	0.2260
	Root MSE	=	0.8383

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4241636	.0722942	5.87	0.000	.2823294	.5659979
logcapital	.0442113	.0726019	0.61	0.543	-.0982265	.1866491
logmaterial	.2643317	.046862	5.64	0.000	.1723931	.3562704
logCantidadEmpresas	-.0007262	.0326592	-0.02	0.982	-.0648004	.063348
_cons	9.703591	1.099468	8.83	0.000	7.546542	11.86064

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	114	0	114
IRUC	582	3	579

```

18 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if MediaBajaTec==1 , abs(IndustriaTiempo
> 1 ubigeo) vce(robust)
(dropped 116 singleton observations)
(MWFE estimator converged in 13 iterations)

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HDFE Linear regression	Number of obs	=	2,679
Absorbing 2 HDFE groups	F(4, 2367)	=	1263.47
	Prob > F	=	0.0000
	R-squared	=	0.7764
	Adj R-squared	=	0.7470
	Within R-sq.	=	0.7055
	Root MSE	=	1.1662

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4989241	.0349283	14.28	0.000	.430431	.5674173
logcapital	.1695477	.0239041	7.09	0.000	.1226726	.2164228
logmaterial	.4033374	.0327714	12.31	0.000	.3390738	.467601
logCantidadEmpresas	-.1048486	.0297264	-3.53	0.000	-.1631411	-.0465561
_cons	5.550121	.3647684	15.22	0.000	4.834822	6.26542

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	125	0	125
ubigeo	184	1	183

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19 .
20 . *regresiones de todas las empresas de baja intensidad tecnologica
21 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if BajaTec==1 , abs(IndustriaTiempo1 IRU
> C) vce(robust)
(dropped 1506 singleton observations)
(MWFE estimator converged in 72 iterations)

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HDFE Linear regression	Number of obs	=	2,552
Absorbing 2 HDFE groups	F(4, 1571)	=	32.22
	Prob > F	=	0.0000
	R-squared	=	0.9111
	Adj R-squared	=	0.8556
	Within R-sq.	=	0.2307
	Root MSE	=	0.8098

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.3669283	.0656729	5.59	0.000	.2381125	.4957441
logcapital	.0437358	.0548629	0.80	0.425	-.0638764	.151348
logmaterial	.287512	.0376189	7.64	0.000	.2137235	.3613004
logCantidadEmpresas	-.0005519	.028344	-0.02	0.984	-.0561479	.055044
_cons	9.47433	.9277208	10.21	0.000	7.654629	11.29403

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	148	0	148
IRUC	831	2	829

```

22 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if BajaTec==1 , abs(IndustriaTiempo1 ubi
> geo) vce(robust)
(dropped 91 singleton observations)
(MWFE estimator converged in 13 iterations)

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HDFE Linear regression	Number of obs	=	3,967
Absorbing 2 HDFE groups	F(4, 3563)	=	1754.38
	Prob > F	=	0.0000
	R-squared	=	0.7732
	Adj R-squared	=	0.7475
	Within R-sq.	=	0.6746
	Root MSE	=	1.1485

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4597629	.0249472	18.43	0.000	.4108506	.5086751
logcapital	.1288374	.0156142	8.25	0.000	.0982237	.1594511
logmaterial	.4313421	.0269658	16.00	0.000	.3784722	.484212
logCantidadEmpresas	-.0405314	.0215484	-1.88	0.060	-.0827799	.0017171
_cons	5.724606	.2851978	20.07	0.000	5.165439	6.283774

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	157	0	157
ubigeo	244	1	243

23 .

24 .

25 . *regresiones de todas las empresas de alta, media alta y media baja intensidad tecnologica

26 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if BajaTec==0 , abs(IndustriaTiempo1 IRU
 > C) vce(robust)
 (dropped 1450 singleton observations)
 (MWFE estimator converged in 76 iterations)

HDFE Linear regression
 Absorbing 2 HDFE groups

Number of obs = **3,585**
 F(4, 2188) = **46.48**
 Prob > F = **0.0000**
 R-squared = **0.9027**
 Adj R-squared = **0.8406**
 Within R-sq. = **0.1858**
 Root MSE = **0.8512**

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.3316831	.0543228	6.11	0.000	.2251535	.4382127
logcapital	.0691909	.0506544	1.37	0.172	-.0301448	.1685266
logmaterial	.2543435	.0318602	7.98	0.000	.191864	.3168229
logCantidadEmpresas	.0264625	.0268682	0.98	0.325	-.0262274	.0791524
_cons	9.724239	.7951376	12.23	0.000	8.164935	11.28354

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	292	0	292
IRUC	1107	6	1101

27 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if BajaTec==0 , abs(IndustriaTiempo1 ubi
 > geo) vce(robust)
 (dropped 155 singleton observations)
 (MWFE estimator converged in 13 iterations)

HDFE Linear regression
 Absorbing 2 HDFE groups

Number of obs = **4,880**
 F(4, 4327) = **2116.18**
 Prob > F = **0.0000**
 R-squared = **0.7696**
 Adj R-squared = **0.7402**
 Within R-sq. = **0.6849**
 Root MSE = **1.1823**

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4971899	.0244594	20.33	0.000	.4492369	.5451429
logcapital	.1587642	.0167664	9.47	0.000	.1258936	.1916349
logmaterial	.4065352	.022601	17.99	0.000	.3622256	.4508447
logCantidadEmpresas	-.0871447	.0222254	-3.92	0.000	-.1307179	-.0435715
_cons	5.637044	.257319	21.91	0.000	5.132567	6.141521

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo1	318	0	318
ubigeo	232	1	231

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28 . *****
29 . **OTRAS REGRESIONES
30 . **a nivel de CIUU 2 digitos
31 . *regresiones de todas las empresas
32 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas , abs(IndustriaTiempo2 IRUC) vce(robust)
    (dropped 2814 singleton observations)
    (MWFE estimator converged in 52 iterations)

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HDFE Linear regression	Number of obs	=	6,327
Absorbing 2 HDFE groups	F(4, 4217)	=	76.85
	Prob > F	=	0.0000
	R-squared	=	0.8921
	Adj R-squared	=	0.8381
	Within R-sq.	=	0.1896
	Root MSE	=	0.8583

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.3247019	.0411385	7.89	0.000	.2440487	.405355
logcapital	.0439709	.0418999	1.05	0.294	-.0381749	.1261167
logmaterial	.2626869	.0231241	11.36	0.000	.2173515	.3080223
logCantidadEmpresas	.0115465	.0188019	0.61	0.539	-.0253151	.0484082
_cons	10.01028	.6540626	15.30	0.000	8.727973	11.29259

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	114	0	114
IRUC	1993	1	1992

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33 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas , abs(IndustriaTiempo2 ubigeo) vce(robust)
    > t)
    (dropped 71 singleton observations)
    (MWFE estimator converged in 11 iterations)

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HDFE Linear regression	Number of obs	=	9,070
Absorbing 2 HDFE groups	F(4, 8649)	=	4446.78
	Prob > F	=	0.0000
	R-squared	=	0.7479
	Adj R-squared	=	0.7357
	Within R-sq.	=	0.6837
	Root MSE	=	1.1861

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4651682	.0170144	27.34	0.000	.4318159	.4985205
logcapital	.1545499	.011136	13.88	0.000	.1327208	.1763791
logmaterial	.4216031	.0166533	25.32	0.000	.3889586	.4542476
logCantidadEmpresas	-.057781	.0146383	-3.95	0.000	-.0864755	-.0290865
_cons	5.526078	.1842215	30.00	0.000	5.16496	5.887196

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	115	0	115
ubigeo	303	1	302

```

34 .
35 . *regresiones de todas las empresas de alta intensidad tecnologica
36 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if AltaTec==1 , abs(IndustriaTiempo2 IRU
> C) vce(robust)
(dropped 107 singleton observations)
(MWFE estimator converged in 11 iterations)

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HDFE Linear regression	Number of obs	=	428
Absorbing 2 HDFE groups	F(4, 275)	=	3.52
	Prob > F	=	0.0080
	R-squared	=	0.9162
	Adj R-squared	=	0.8700
	Within R-sq.	=	0.1435
	Root MSE	=	0.7525

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.0370505	.0969582	0.38	0.703	-.1538241	.2279251
logcapital	-.2699001	.1543552	-1.75	0.081	-.5737681	.0339678
logmaterial	.2434137	.0943293	2.58	0.010	.0577143	.429113
logCantidadEmpresas	.1559954	.0869524	1.79	0.074	-.0151815	.3271723
_cons	16.15479	2.68934	6.01	0.000	10.86048	21.4491

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	15	0	15
IRUC	136	2	134

```

37 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if AltaTec==1 , abs(IndustriaTiempo2 ubi
> geo) vce(robust)
(dropped 40 singleton observations)
(MWFE estimator converged in 11 iterations)

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HDFE Linear regression	Number of obs	=	495
Absorbing 2 HDFE groups	F(4, 415)	=	292.37
	Prob > F	=	0.0000
	R-squared	=	0.8041
	Adj R-squared	=	0.7668
	Within R-sq.	=	0.7302
	Root MSE	=	1.0539

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.5277425	.0684762	7.71	0.000	.393139	.6623459
logcapital	.0923966	.045852	2.02	0.045	.0022655	.1825277
logmaterial	.4176226	.040977	10.19	0.000	.3370743	.4981709
logCantidadEmpresas	-.0326846	.0727062	-0.45	0.653	-.175603	.1102338
_cons	6.365332	.6062531	10.50	0.000	5.173622	7.557042

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	15	0	15
ubigeo	62	1	61

```

38 .
39 . *regresiones de todas las empresas de media alta intensidad tecnologica
40 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if MediaAltaTec==1 , abs(IndustriaTiempo
> 2 ) vce(robust)
(MWFE estimator converged in 1 iterations)

```

HDFE Linear regression	Number of obs	=	1,705
Absorbing 1 HDFE group	F(4, 1676)	=	723.41
	Prob > F	=	0.0000
	R-squared	=	0.7203
	Adj R-squared	=	0.7156
	Within R-sq.	=	0.6653
	Root MSE	=	1.2456

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4746203	.0401	11.84	0.000	.395969	.5532716
logcapital	.166549	.0249107	6.69	0.000	.1176897	.2154082
logmaterial	.4196488	.0350611	11.97	0.000	.3508807	.4884169
logCantidadEmpresas	-.0787499	.0311908	-2.52	0.012	-.1399269	-.0175729
_cons	5.403575	.4108644	13.15	0.000	4.597713	6.209436

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	25	0	25

```

41 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if MediaAltaTec==1 , abs(IndustriaTiempo
> 2 ubigeo) vce(robust)
(dropped 80 singleton observations)
(MWFE estimator converged in 12 iterations)

```

HDFE Linear regression	Number of obs	=	1,625
Absorbing 2 HDFE groups	F(4, 1450)	=	582.21
	Prob > F	=	0.0000
	R-squared	=	0.7463
	Adj R-squared	=	0.7158
	Within R-sq.	=	0.6514
	Root MSE	=	1.2442

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4421805	.0415698	10.64	0.000	.3606371	.523724
logcapital	.1755422	.0272303	6.45	0.000	.1221273	.2289572
logmaterial	.4253917	.0387775	10.97	0.000	.3493257	.5014577
logCantidadEmpresas	-.1005949	.046027	-2.19	0.029	-.1908816	-.0103082
_cons	5.350393	.4712827	11.35	0.000	4.425924	6.274862

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	25	0	25
ubigeo	147	1	146

```

42 .
43 . *regresiones de todas las empresas de media baja intensidad tecnologica
44 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if MediaBajaTec==1 , abs(IndustriaTiempo
> 2 IRUC) vce(robust)
(dropped 845 singleton observations)
(MWFE estimator converged in 17 iterations)

```

HDFE Linear regression	Number of obs	=	1,950
Absorbing 2 HDFE groups	F(4, 1333)	=	31.72
	Prob > F	=	0.0000
	R-squared	=	0.8863
	Adj R-squared	=	0.8338
	Within R-sq.	=	0.2053
	Root MSE	=	0.8547

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.3640466	.0718112	5.07	0.000	.2231713	.5049219
logcapital	.0426325	.091294	0.47	0.641	-.1364631	.2217281
logmaterial	.2627893	.0457114	5.75	0.000	.1731151	.3524634
logCantidadEmpresas	.008437	.0324351	0.26	0.795	-.0551925	.0720665
_cons	9.974931	1.338497	7.45	0.000	7.349141	12.60072

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	25	0	25
IRUC	589	1	588

```

45 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if MediaBajaTec==1 , abs(IndustriaTiempo
> 2 ubigeo) vce(robust)
(dropped 96 singleton observations)
(MWFE estimator converged in 11 iterations)

```

HDFE Linear regression	Number of obs	=	2,699
Absorbing 2 HDFE groups	F(4, 2487)	=	1301.89
	Prob > F	=	0.0000
	R-squared	=	0.7613
	Adj R-squared	=	0.7411
	Within R-sq.	=	0.7041
	Root MSE	=	1.1772

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4926771	.0341391	14.43	0.000	.4257332	.5596211
logcapital	.1632454	.0237571	6.87	0.000	.1166596	.2098312
logmaterial	.4136843	.0317649	13.02	0.000	.351396	.4759726
logCantidadEmpresas	-.1033431	.0292634	-3.53	0.000	-.1607263	-.04596
_cons	5.516756	.3537871	15.59	0.000	4.823008	6.210503

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	25	0	25
ubigeo	184	1	183

```

46 .
47 . *regresiones de todas las empresas de baja intensidad tecnologica
48 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if BajaTec==1 , abs(IndustriaTiempo2 IRU
> C) vce(robust)
(dropped 1477 singleton observations)
(MWFE estimator converged in 28 iterations)

```

HDFE Linear regression	Number of obs	=	2,581
Absorbing 2 HDFE groups	F(4, 1694)	=	33.11
	Prob > F	=	0.0000
	R-squared	=	0.9031
	Adj R-squared	=	0.8523
	Within R-sq.	=	0.2314
	Root MSE	=	0.8193

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.3512133	.0607797	5.78	0.000	.2320022	.4704244
logcapital	.0318073	.0530204	0.60	0.549	-.0721851	.1357997
logmaterial	.2919505	.0368594	7.92	0.000	.2196558	.3642452
logCantidadEmpresas	.001074	.0269257	0.04	0.968	-.051737	.0538851
_cons	9.652442	.9175458	10.52	0.000	7.8528	11.45209

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	45	0	45
IRUC	839	1	838

```

49 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if BajaTec==1 , abs(IndustriaTiempo2 ubi
> geo) vce(robust)
(dropped 65 singleton observations)
(MWFE estimator converged in 12 iterations)

```

HDFE Linear regression	Number of obs	=	3,993
Absorbing 2 HDFE groups	F(4, 3698)	=	2028.08
	Prob > F	=	0.0000
	R-squared	=	0.7596
	Adj R-squared	=	0.7405
	Within R-sq.	=	0.6849
	Root MSE	=	1.1645

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4481783	.0250063	17.92	0.000	.3991507	.4972058
logcapital	.1391081	.015645	8.89	0.000	.1084344	.1697817
logmaterial	.4351676	.0269792	16.13	0.000	.382272	.4880632
logCantidadEmpresas	-.0517287	.0218025	-2.37	0.018	-.0944748	-.0089825
_cons	5.599861	.2825213	19.82	0.000	5.045949	6.153774

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	45	0	45
ubigeo	247	1	246

```

50 .
51 .
52 . *regresiones de todas las empresas de alta, media alta y media baja intensidad tecnologica
53 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if BajaTec==0 , abs(IndustriaTiempo2 I
> RUC) vce(robust)
(dropped 1369 singleton observations)
(MWFE estimator converged in 34 iterations)

```

HDFE Linear regression	Number of obs	=	3,666
Absorbing 2 HDFE groups	F(4, 2467)	=	42.96
	Prob > F	=	0.0000
	R-squared	=	0.8861
	Adj R-squared	=	0.8308
	Within R-sq.	=	0.1701
	Root MSE	=	0.8754

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.2896941	.0556467	5.21	0.000	.180575	.3988131
logcapital	.0591802	.0583049	1.02	0.310	-.0551515	.1735118
logmaterial	.2557505	.0309065	8.27	0.000	.1951452	.3163558
logCantidadEmpresas	.0264628	.0259951	1.02	0.309	-.0245116	.0774371
_cons	10.0211	.8858489	11.31	0.000	8.284013	11.75818

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	65	0	65
IRUC	1131	1	1130

```

54 .
55 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if BajaTec==0 , abs(IndustriaTiempo2 ubi
> geo) vce(robust)
(dropped 91 singleton observations)
(MWFE estimator converged in 12 iterations)

```

HDFE Linear regression	Number of obs	=	4,944
Absorbing 2 HDFE groups	F(4, 4643)	=	2256.23
	Prob > F	=	0.0000
	R-squared	=	0.7502
	Adj R-squared	=	0.7340
	Within R-sq.	=	0.6859
	Root MSE	=	1.1960

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4845807	.0239225	20.26	0.000	.4376812	.5314802
logcapital	.1652385	.0162261	10.18	0.000	.1334276	.1970493
logmaterial	.4126174	.0218234	18.91	0.000	.3698331	.4554017
logCantidadEmpresas	-.0861092	.021589	-3.99	0.000	-.1284339	-.0437845
_cons	5.496819	.2504586	21.95	0.000	5.005801	5.987837

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	65	0	65
ubigeo	233	1	232

56 . //////////////////////////////////////

> **EXPORTAR REGRESIONES

57 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas , abs(IndustriaTiempo2 ubigeo) vce(robust)

(dropped 71 singleton observations)

(MWFE estimator converged in 11 iterations)

HDFE Linear regression
Absorbing 2 HDFE groups

Number of obs = 9,070
F(4, 8649) = 4446.78
Prob > F = 0.0000
R-squared = 0.7479
Adj R-squared = 0.7357
Within R-sq. = 0.6837
Root MSE = 1.1861

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4651682	.0170144	27.34	0.000	.4318159	.4985205
logcapital	.1545499	.0111136	13.88	0.000	.1327208	.1763791
logmaterial	.4216031	.0166533	25.32	0.000	.3889586	.4542476
logCantidadEmpresas	-.057781	.0146383	-3.95	0.000	-.0864755	-.0290865
_cons	5.526078	.1842215	30.00	0.000	5.16496	5.887196

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	115	0	115
ubigeo	303	1	302

58 . outreg2 using regresion.doc, replace ctitle(Model 1)

regresion.doc

dir : seeout

59 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if BajaTec==0 , abs(IndustriaTiempo2 ubigeo) vce(robust)

(dropped 91 singleton observations)

(MWFE estimator converged in 12 iterations)

HDFE Linear regression
Absorbing 2 HDFE groups

Number of obs = 4,944
F(4, 4643) = 2256.23
Prob > F = 0.0000
R-squared = 0.7502
Adj R-squared = 0.7340
Within R-sq. = 0.6859
Root MSE = 1.1960

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4845807	.0239225	20.26	0.000	.4376812	.5314802
logcapital	.1652385	.0162261	10.18	0.000	.1334276	.1970493
logmaterial	.4126174	.0218234	18.91	0.000	.3698331	.4554017
logCantidadEmpresas	-.0861092	.021589	-3.99	0.000	-.1284339	-.0437845
_cons	5.496819	.2504586	21.95	0.000	5.005801	5.987837

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	65	0	65
ubigeo	233	1	232

```
60 . outreg2 using regresion.doc, append ctitle(Model 2)
    regresion.doc
    dir : seeout
```

```
61 . reghdfe logprod logtrabaj logcapital logmaterial logCantidadEmpresas if BajaTec==1 , abs(IndustriaTiempo2 ubi
    > geo) vce(robust)
    (dropped 65 singleton observations)
    (MWFE estimator converged in 12 iterations)
```

HDFE Linear regression	Number of obs	=	3,993
Absorbing 2 HDFE groups	F(4, 3698)	=	2028.08
	Prob > F	=	0.0000
	R-squared	=	0.7596
	Adj R-squared	=	0.7405
	Within R-sq.	=	0.6849
	Root MSE	=	1.1645

logprod	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
logtrabaj	.4481783	.0250063	17.92	0.000	.3991507	.4972058
logcapital	.1391081	.015645	8.89	0.000	.1084344	.1697817
logmaterial	.4351676	.0269792	16.13	0.000	.382272	.4880632
logCantidadEmpresas	-.0517287	.0218025	-2.37	0.018	-.0944748	-.0089825
_cons	5.599861	.2825213	19.82	0.000	5.045949	6.153774

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs
IndustriaTiempo2	45	0	45
ubigeo	247	1	246

```
62 . outreg2 using regresion.doc, append ctitle(Model 3)
    regresion.doc
    dir : seeout
```

```
63 .
64 .
65 . log close
    name: <unnamed>
    log: D:\STATA LIMPIO\3_OUTPUT\regresiones.smcl
    log type: smcl
    closed on: 9 Jan 2023, 21:46:15
```