



Research article

The impact of ownership type on intellectual capital – the case of Iran

Mahdi Salehi¹, Sahar Jabbari¹ and Grzegorz Zimon^{2,*}

¹ Department of Accounting, Faculty of Economics and Administrative Sciences, Ferdowsi University of Mashhad, Mashhad, Iran

² Department of Finance, Banking and Accountancy, Faculty Management, Rzeszow University of Technology, Rzeszow, Poland

* **Correspondence:** Email: gzimon@prz.edu.pl; Tel: +48178651363.

Supplementary

Appendix A

Additional analysis of the first model

Five regression models will be fitted to analyze the regression models further. In the first model (1-1), 20% of the shares are considered the family ownership criterion (FOWN 1). In the second model (1-2), 5% of the board members are considered the family ownership criterion (FOWN 2). In the third model (1-3), the dummy variable of the existence of subsidiaries is replaced. Models (1-4) and (1-5) were also fitted with this variable, and the variables FOWN 1 and FOWN 2 were used, respectively. In all fitted models, the types of family ownership have a positive and significant effect on the coefficient of added intellectual capital. Also, the existence and number of subsidiaries have a positive and significant effect at the 99% confidence level on the added intellectual capital variable coefficient.

Table A.1. Results of additional analysis of the first model.

Variables	Model 1-1		Model 1-2		Model 1-3		Model 1-4		Model 1-5	
	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob
FOWN					0.013	0.000				
<i>FOWN 1</i>	0.026	0.001					0.012	0.003		
<i>FOWN 2</i>			0.086	0.000					0.026	0.001
<i>INS</i>	0.049	0.000	0.130	0.026	0.030	0.000	0.012	0.002	0.048	0.000
<i>MLOWNTOTAL</i>	0.222	0.006	0.222	0.006						
<i>MLOWN</i>					2.616	0.000	2.617	0.000	2.623	0.000
<i>LEV</i>	-0.553	0.551	-0.583	0.530	-0.471	0.611	-0.469	0.612	-0.497	0.591
<i>ROA</i>	12.552	0.000	12.498	0.000	12.462	0.000	12.485	0.000	12.433	0.000
<i>SIZE</i>	1.365	0.000	1.353	0.000	1.375	0.000	1.383	0.000	1.371	0.000
<i>CR</i>	-0.145	0.084	-0.139	0.096	-0.138	0.097	-0.148	0.075	-0.143	0.085
<i>AGE</i>	-0.302	0.000	-0.302	0.000	-0.312	0.000	-0.315	0.000	-0.315	0.000
<i>MTB</i>	0.000	0.967	0.001	0.960	0.000	0.986	0.001	0.949	0.001	0.942
<i>LTDR</i>	4.292	0.007	4.241	0.008	4.514	0.005	4.549	0.004	4.501	0.005
<i>BIND</i>	1.356	0.054	1.355	0.055	1.196	0.089	1.175	0.095	1.173	0.095
<i>BUSY</i>	-0.186	0.956	-0.182	0.957	-0.188	0.955	-0.192	0.955	-0.187	0.956
<i>Constant</i>	-5.029	0.236	-4.799	0.258	-5.398	0.202	-5.359	0.204	-5.137	0.224
<i>Obs</i>	1328		1328		1328		1328		1328	
<i>R² Adj.</i>	19.90		19.88		19.03		19.00		18.98	

In the following Table A.2, the effect of ownership types, including family ownership, institutional ownership and the existence of subsidiaries, on the added intellectual capital coefficient of the next period was examined with a lag. According to the calculated coefficients, none of the ownership types will affect the added intellectual capital coefficient variable for the next period. Therefore, the effect of these variables is limited to the current period and does not transfer to the next period.

Table A.2. Effect with lag of the first model.

Variables	Coef.	Prob
<i>FOWN</i>	0.548	0.611
<i>INS</i>	-0.337	0.815
<i>MLOWNTOTAL</i>	0.163	0.100
<i>LEV</i>	0.416	0.711
<i>ROA</i>	6.562	0.000
<i>SIZE</i>	-0.041	0.897
<i>CR</i>	0.049	0.617
<i>AGE</i>	0.279	0.002
<i>MTB</i>	-0.011	0.398
<i>LTDR</i>	3.868	0.053
<i>BIND</i>	-0.747	0.382
<i>BUSY</i>	0.170	0.964
<i>Constant</i>	-11.983	0.017

Additional analysis of the second model

Further analyses of the second model are similar to those of the first model. In all fitted models, family ownership FOWN and FOWN 1 positively and significantly affect the intellectual capital efficiency coefficient. In contrast, the coefficients of the FOWN 2 variables are not significant. Also, the existence and number of subsidiaries have a positive and significant effect at the 99% confidence level on the intellectual capital efficiency coefficient variable.

Table A.3. Results of additional analysis of the second model.

Variables	Model 2-1		Model 2-2		Model 2-3		Model 2-4		Model 2-5	
	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob
<i>FOWN</i>					0.049	0.000				
<i>FOWN 1</i>	0.108	0.019					0.089	0.022		
<i>FOWN 2</i>			0.090	0.960					0.082	0.963
<i>INS</i>	0.043	0.007	3.678	0.000	0.030	0.000	0.032	0.018	0.742	0.000
<i>MLOWNTOTAL</i>	0.220	0.007	0.220	0.007						
<i>MLOWN</i>					2.647	0.000	2.648	0.000	2.654	0.000
<i>LEV</i>	-0.607	0.512	-0.635	0.494	-0.526	0.569	-0.522	0.572	-0.548	0.553
<i>ROA</i>	11.886	0.000	11.835	0.000	11.795	0.000	11.819	0.000	11.769	0.000
<i>SIZE</i>	1.472	0.000	1.461	0.000	1.481	0.000	1.489	0.000	1.479	0.000
<i>CR</i>	-0.157	0.060	-0.152	0.069	-0.151	0.070	-0.160	0.054	-0.155	0.061
<i>AGE</i>	-0.318	0.000	-0.318	0.000	-0.329	0.000	-0.331	0.000	-0.332	0.000
<i>MTB</i>	-0.001	0.958	0.000	0.967	-0.001	0.943	0.000	0.975	0.000	0.984
<i>LTDR</i>	4.242	0.008	4.193	0.009	4.468	0.005	4.503	0.005	4.457	0.005
<i>BIND</i>	1.373	0.051	1.372	0.052	1.210	0.085	1.191	0.090	1.189	0.091
<i>BUSY</i>	-0.171	0.959	-0.167	0.960	-0.172	0.959	-0.176	0.958	-0.172	0.959
<i>Constant</i>	-6.177	0.145	-5.962	0.159	-6.524	0.123	-6.504	0.123	-6.297	0.135
<i>Obs</i>	1328		1328		1328		1328		1328	
<i>R² Adj.</i>	18.75		18.73		18.03		18.00		17.99	

In the following Table A.4, the effect of ownership types on the intellectual capital efficiency coefficient of the next period was examined with a lag. According to the calculated coefficients, none of the ownership types affect the intellectual capital efficiency coefficient variable of the next period. Therefore, the effect of these variables is limited to the current period and does not transfer to the next period.

Table A.4. Effect with a lag of the second model.

Variables	Coef.	Prob
<i>FOWN</i>	0.499	0.642
<i>INS</i>	-0.395	0.783
<i>MLOWNTOTAL</i>	0.158	0.110
<i>LEV</i>	0.344	0.759

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Variables	Coef.	Prob
ROA	6.271	0.000
SIZE	0.060	0.849
CR	0.033	0.736
AGE	0.251	0.006
MTB	-0.011	0.397
LTDR	3.630	0.068
BIND	-0.734	0.389
BUSY	0.107	0.977
<i>Constant</i>	-12.123	0.016

Additional analysis of the third model

Further analysis of the third model indicates that family ownership types have a positive and significant effect on human capital efficiency in all fitted models. Also, the existence and number of subsidiaries positively and significantly affect the human capital efficiency variable. By comparing the estimated regressions, Model 3-1 has the highest explanatory power with the combination of FOWN 1 and MLOWNTOTAL variables.

Table A.5. Results of additional analysis of the third model.

Variables	Model 3-1		Model 3-2		Model 3-3		Model 3-4		Model 3-5	
	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob
<i>FOWN</i>					0.522	0.018				
<i>FOWN 1</i>	0.366	0.039					0.406	0.023		
<i>FOWN 2</i>			0.373	0.041					0.026	0.032
<i>INS</i>	0.274	0.000	0.318	0.000	0.447	0.024	0.231	0.000	0.511	0.018
<i>MLOWNTOTAL</i>	0.217	0.007	0.217	0.007						
<i>MLOWN</i>					2.591	0.000	2.592	0.000	2.597	0.000
<i>LEV</i>	-0.762	0.404	-0.789	0.389	-0.681	0.455	-0.679	0.456	-0.704	0.440
ROA	11.367	0.000	11.319	0.000	11.280	0.000	11.301	0.000	11.255	0.000
SIZE	1.446	0.000	1.436	0.000	1.456	0.000	1.463	0.000	1.453	0.000
CR	-0.177	0.032	-0.173	0.036	-0.172	0.037	-0.181	0.028	-0.176	0.032
AGE	-0.314	0.000	-0.315	0.000	-0.325	0.000	-0.327	0.000	-0.327	0.000
MTB	-0.001	0.890	-0.001	0.897	-0.002	0.875	-0.001	0.907	-0.001	0.914
LTDR	4.506	0.004	4.460	0.005	4.729	0.003	4.761	0.003	4.718	0.003
BIND	1.198	0.085	1.196	0.085	1.037	0.135	1.019	0.141	1.017	0.142
BUSY	-0.177	0.958	-0.173	0.959	-0.178	0.957	-0.182	0.956	-0.178	0.957
<i>Constant</i>	-6.241	0.135	-6.036	0.149	-6.593	0.114	-6.563	0.115	-6.367	0.126
<i>Obs</i>	1328		1328		1328		1328		1328	
<i>R² Adj.</i>	17.90		17.89		17.24		17.22		17.21	

The following Table A.6 examines the lagged effect of ownership types on human capital efficiency in the next period. According to the calculated coefficients, none of the ownership types

affect the human capital efficiency variable in the next period. Therefore, the effect of these variables is limited to the current period and does not carry over to the next period.

Table A.6. Effect with a lag of the third model.

Variables	Coef.	Prob
<i>FOWN</i>	0.540	0.608
<i>INS</i>	-0.417	0.766
<i>MLOWNTOTAL</i>	0.148	0.126
<i>LEV</i>	0.090	0.935
ROA	5.992	0.000
SIZE	0.212	0.494
CR	-0.006	0.954
AGE	0.215	0.016
MTB	-0.016	0.193
LTDR	3.428	0.079
BIND	-0.822	0.325
BUSY	0.084	0.982
<i>Constant</i>	-12.466	0.011

The following Table A.6 examines the lagged effect of ownership types on human capital efficiency in the next period. According to the calculated coefficients, none of the ownership types affect the human capital efficiency variable in the next period. Therefore, the effect of these variables is limited to the current period and does not carry over to the next period.

Additional analysis of the fourth model

Further analysis of this model shows that family ownership types have a positive and significant effect on structural capital efficiency in all fitted models. Also, the existence and number of subsidiaries positively and significantly affect the structural capital efficiency variable. By comparing the estimated regressions, Model 1–4 has the highest explanatory power with the combination of *FOWN 1* and *MLOWNTOTAL* variables. In the following Table A.8, the effect of ownership types with lag on structural capital efficiency of the next period was examined. According to the calculated coefficients, none of the ownership types affect the structural capital efficiency variable of the next period.

Table A.7. Results of additional analysis of the fourth model.

Variables	Model 4-1		Model 4-2		Model 4-3		Model 4-4		Model 4-5	
	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob
<i>FOWN</i>					0.410	0.016				
<i>FOWN 1</i>	0.025	0.019					0.108	0.019		
<i>FOWN 2</i>			0.068	0.004					0.102	0.003
<i>INS</i>	0.043	0.007	0.276	0.005	0.099	0.000	0.032	0.018	0.063	0.000

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Variables	Model 4-1		Model 4-2		Model 4-3		Model 4-4		Model 4-5	
	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob
<i>MLOWNTOTAL</i>	4.144	0.000	3.893	0.000						
<i>MLOWN</i>					0.089	0.022	3.678	0.000	3.632	0.000
<i>LEV</i>	0.214	0.002	0.212	0.002	0.215	0.002	0.216	0.002	0.215	0.002
<i>ROA</i>	0.523	0.000	0.520	0.000	0.519	0.000	0.522	0.000	0.518	0.000
<i>SIZE</i>	0.067	0.001	0.066	0.001	0.066	0.001	0.067	0.001	0.067	0.001
<i>CR</i>	0.019	0.003	0.019	0.002	0.019	0.002	0.019	0.003	0.019	0.002
<i>AGE</i>	-0.009	0.067	-0.009	0.066	-0.010	0.059	-0.010	0.056	-0.010	0.055
<i>MTB</i>	0.000	0.992	0.000	0.992	0.000	0.982	0.000	0.995	0.000	0.989
<i>LTDR</i>	-0.254	0.035	-0.258	0.032	-0.250	0.038	-0.247	0.041	-0.250	0.038
<i>BIND</i>	0.133	0.012	0.133	0.012	0.129	0.015	0.128	0.016	0.128	0.016
<i>BUSY</i>	-0.003	0.989	-0.003	0.990	-0.003	0.991	-0.003	0.989	-0.003	0.990
<i>Constant</i>	-0.289	0.365	-0.275	0.389	-0.286	0.369	-0.295	0.354	-0.281	0.377
<i>Obs</i>	1328		1328		1328		1328		1328	
<i>R² Adj.</i>	14.43		14.35		13.90		13.86		13.80	

Table A.8. Effect with a lag of the fourth model.

Variables	Coef.	Prob
<i>FOWN</i>	-0.025	0.835
<i>INS</i>	0.016	0.922
<i>MLOWNTOTAL</i>	0.009	0.393
<i>LEV</i>	0.245	0.049
<i>ROA</i>	0.304	0.027
<i>SIZE</i>	-0.082	0.019
<i>CR</i>	0.022	0.040
<i>AGE</i>	0.028	0.005
<i>MTB</i>	0.003	0.023
<i>LTDR</i>	0.233	0.291
<i>BIND</i>	0.069	0.468
<i>BUSY</i>	0.004	0.993
<i>Constant</i>	-0.258	0.644

Additional analysis of the fifth model

Further analyses of this model show that family ownership types positively and significantly affect customer capital efficiency in all fitted models. Also, the existence and number of subsidiaries positively and significantly affect the customer capital efficiency variable. By comparing the estimated regressions, Model 5-5 has the highest explanatory power by combining the FOWN 2 and MLOWN variables. The following Table A.10 examines the effect of ownership types with lag on customer capital efficiency in the next period. According to the calculated coefficients, none of the ownership types affect the customer capital efficiency variable in the next period.

Table A.9. Results of additional analysis of the fifth model.

Variables	Model 5-1		Model 5-2		Model 5-3		Model 5-4		Model 5-5	
	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob
<i>FOWN</i>					0.274	0.000				
<i>FOWN 1</i>	0.303	0.002					0.334	0.000		
<i>FOWN 2</i>			0.008	0.026					0.076	0.005
<i>INS</i>	0.222	0.044	0.171	0.000	0.403	0.000	0.193	0.007	0.174	0.012
<i>MLOWNTOTAL</i>	0.083	0.032	0.344	0.002						
<i>MLOWN</i>					0.232	0.043	0.600	0.000	0.436	0.000
<i>LEV</i>	0.011	0.146	0.011	0.163	0.011	0.157	0.011	0.146	0.011	0.163
<i>ROA</i>	-0.013	0.144	-0.013	0.127	-0.013	0.138	-0.012	0.152	-0.013	0.134
<i>SIZE</i>	0.001	0.663	0.0004	0.743	0.0002	0.859	0.0003	0.794	0.0002	0.875
<i>CR</i>	-0.001	0.453	-0.0005	0.504	-0.0004	0.538	-0.0005	0.484	-0.0004	0.536
<i>AGE</i>	0.0003	0.141	0.0003	0.143	0.0003	0.139	0.0003	0.141	0.0003	0.143
<i>MTB</i>	-0.000050.607		-0.000050.607		-0.000040.627		-0.000040.632		-0.000040.631	
<i>LTDR</i>	-0.028	0.043	-0.028	0.040	-0.028	0.040	-0.028	0.043	-0.028	0.040
<i>BIND</i>	0.011	0.054	0.011	0.053	0.011	0.053	0.011	0.054	0.011	0.053
<i>BUSY</i>	0.006	0.518	0.005	0.535	0.006	0.517	0.006	0.506	0.006	0.522
<i>Constant</i>	-0.023	0.266	-0.020	0.324	-0.019	0.361	-0.020	0.311	-0.018	0.373
<i>Obs</i>	1328		1328		1328		1328		1328	
<i>R² Adj.</i>	11.35		10.73		2.70		11.18		18.72	

Table A.10. Effect of the fifth model lag.

Variables	Coef.	Prob
<i>FOWN</i>	-0.001	0.774
<i>INS</i>	-0.002	0.652
<i>MLOWNTOTAL</i>	0.0001	0.828
<i>LEV</i>	-0.0003	0.967
<i>ROA</i>	-0.011	0.191
<i>SIZE</i>	-0.00004	0.957
<i>CR</i>	-0.0001	0.868
<i>AGE</i>	0.00002	0.803
<i>MTB</i>	-0.00004	0.659
<i>LTDR</i>	-0.022	0.125
<i>BIND</i>	0.007	0.194
<i>BUSY</i>	0.001	0.871
<i>Constant</i>	-0.002	0.906

Additional analysis of the sixth model

Further analyses of this model show that in all fitted models, family ownership *FOWN* and *FOWN 1* have a positive and significant effect on the efficiency of innovation capital. On the contrary, the coefficient of the variable *FOWN 2* is not significant. Also, the existence and number of

subsidiaries have a positive and significant effect on the efficiency of the innovation capital variable. By comparing the estimated regressions, Model 3-6 has the highest explanatory power by combining FOWN and MLOWN. In Table A.12, the effect of ownership types with lags on the efficiency of innovation capital in the next period was examined. According to the calculated coefficients, none of the ownership types affect the efficiency of innovation capital in the next period.

Table A.11. Results of additional analysis of the sixth model.

Variables	Model 6-1		Model 6-2		Model 6-3		Model 6-4		Model 6-5	
	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob
<i>FOWN</i>					0.001	0.045				
<i>FOWN 1</i>	0.193	0.032					0.114	0.012		
<i>FOWN 2</i>			0.0002	0.672					-0.0003	0.443
<i>INS</i>	0.026	0.003	0.202	0.004	1.360	0.036	0.045	0.000	1.223	0.026
<i>MLOWNTOTAL</i>	-0.0001	0.003	-0.0001	0.003						
<i>MLOWN</i>					-0.001	0.004	-0.001	0.005	0.011	0.005
<i>LEV</i>	0.002	0.019	0.002	0.020	0.002	0.048	0.002	0.056	0.001	0.059
<i>ROA</i>	0.001	0.119	0.001	0.125	0.001	0.086	0.001	0.107	0.001	0.121
<i>SIZE</i>	0.0004	0.008	0.0003	0.009	0.0003	0.008	0.0003	0.010	0.0003	0.011
<i>CR</i>	0.0001	0.226	0.0001	0.190	0.0001	0.181	0.0001	0.154	0.0001	0.123
<i>AGE</i>	0.00002	0.021	0.00002	0.021	0.00002	0.017	0.00002	0.019	0.00002	0.019
<i>MTB</i>	-0.00001	0.348	-0.00001	0.365	-0.00001	0.215	-0.00001	0.261	-0.00001	0.272
<i>LTDR</i>	-0.001	0.297	-0.001	0.260	-0.0004	0.690	-0.001	0.587	-0.001	0.525
<i>BIND</i>	0.002	0.005	0.002	0.005	0.002	0.004	0.002	0.004	0.002	0.004
<i>BUSY</i>	0.0003	0.011	0.0003	0.012	0.0003	0.044	0.0003	0.042	0.0003	0.048
<i>Constant</i>	-0.008	0.002	-0.008	0.003	-0.007	0.002	-0.007	0.003	-0.007	0.003
<i>Obs</i>	1328		1328		1328		1328		1328	
<i>R² Adj.</i>	10.72		2.58		15.64		11.85		2.71	

Table A.12. Effect of the sixth model lag.

Variables	Coef.	Prob
<i>FOWN</i>	0.0003	0.497
<i>INS</i>	-0.00001	0.982
<i>MLOWNTOTAL</i>	-0.00002	0.542
<i>LEV</i>	0.0001	0.889
<i>ROA</i>	0.0002	0.796
<i>SIZE</i>	0.0001	0.234
<i>CR</i>	-0.000004	0.956
<i>AGE</i>	0.00000001	0.999
<i>MTB</i>	0.0000005	0.966
<i>LTDR</i>	0.0001	0.930
<i>BIND</i>	0.001	0.314
<i>BUSY</i>	0.00003	0.936
<i>Constant</i>	-0.002	0.171

Additional analysis of the seventh model

Further analyses of this model show that family ownership has a positive and significant effect on process capital efficiency in all fitted models. Also, the existence and number of subsidiaries positively and significantly affect the process capital efficiency variable. By comparing the estimated regressions, Model 2-7 has the highest explanatory power with the combination of the FOWN 2 and MLOWNTOTAL variables. In Table A.14, the effect of ownership types with lag on the process capital efficiency of the next period was examined. According to the calculated coefficients, none of the ownership types affect the process capital efficiency variable of the next period.

Table A.13. Results of additional analysis of the seventh model.

Variables	Model 7-1		Model 7-2		Model 7-3		Model 7-4		Model 7-5	
	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob
<i>FOWN</i>					0.220	0.000				
<i>FOWN 1</i>	0.196	0.007					0.240	0.000		
<i>FOWN 2</i>			0.026	0.000					0.144	0.010
<i>INS</i>	0.036	0.000	0.033	0.000	0.056	0.000	0.074	0.000	0.026	0.000
<i>MLOWNTOTAL</i>	4.040	0.018	5.588	0.008						
<i>MLOWN</i>					0.011	0.000	0.021	0.000	0.109	0.000
<i>LEV</i>	0.228	0.004	0.226	0.004	0.229	0.004	0.230	0.003	0.228	0.004
ROA	0.563	0.000	0.559	0.000	0.559	0.000	0.562	0.000	0.558	0.000
SIZE	0.052	0.019	0.052	0.021	0.052	0.020	0.052	0.018	0.052	0.020
CR	0.025	0.001	0.025	0.000	0.025	0.000	0.025	0.000	0.025	0.000
AGE	-0.008	0.169	-0.008	0.167	-0.008	0.151	-0.008	0.144	-0.008	0.143
MTB	0.000	0.914	0.000	0.902	0.000	0.928	0.000	0.913	0.000	0.901
LTDR	-0.238	0.079	-0.242	0.074	-0.233	0.086	-0.229	0.090	-0.233	0.085
BIND	0.122	0.041	0.122	0.041	0.118	0.049	0.117	0.050	0.116	0.051
BUSY	0.001	0.997	0.001	0.997	0.001	0.996	0.001	0.997	0.001	0.996
<i>Constant</i>	-0.158	0.659	-0.142	0.692	-0.157	0.663	-0.164	0.647	-0.148	0.680
<i>Obs</i>	1328		1328		1328		1328		1328	
<i>R² Adj.</i>	13.94		14.04		13.22		13.11		13.21	

Table A.14. Effect of the seventh model lag.

Variables	Coef.	Prob
<i>FOWN</i>	-0.021	0.875
<i>INS</i>	0.016	0.931
<i>MLOWNTOTAL</i>	0.009	0.475
<i>LEV</i>	0.233	0.101
ROA	0.326	0.038
SIZE	-0.093	0.020
CR	0.026	0.034
AGE	0.030	0.010

Continued on next page

Variables	Coef.	Prob
MTB	0.003	0.037
LTDR	0.267	0.288
BIND	0.023	0.833
BUSY	0.009	0.984
<i>Constant</i>	-0.144	0.820

Additional analysis of the eighth model

Further analyses of this model show that in all fitted models, family ownership FOWN and FOWN 1 have a positive and significant effect on the coefficient of efficiency of capital employed. In contrast, the coefficient of the variable FOWN 2 is not significant. Also, the existence and number of subsidiaries positively and significantly affect the dependent variable. By comparing the estimated regressions, models 1–8 have the highest explanatory power by combining FOWN and MLOWN. Table A.16 examined the effect of ownership types with a lag on the coefficient of efficiency of capital employed in the next period. According to the calculated coefficients, none of the ownership types affect the variable of efficiency of capital employed in the next period.

Table A.15. Results of additional analysis of the eighth model.

Variables	Model 8-1		Model 8-2		Model 8-3		Model 8-4		Model 8-5	
	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob	Coef.	Prob
<i>FOWN</i>					0.068	0.002				
<i>FOWN 1</i>	0.117	0.024					0.018	0.000		
<i>FOWN 2</i>			-0.055	0.231					-0.054	0.244
<i>INS</i>	0.328	0.000	0.173	0.001	0.245	0.005	0.117	0.018	0.179	0.001
<i>MLOWNTOTAL</i>	0.241	0.006	0.269	0.000						
<i>MLOWN</i>					1.236	0.000	0.328	0.000	0.265	0.002
<i>LEV</i>	0.048	0.047	0.045	0.059	0.049	0.041	0.047	0.049	0.045	0.062
<i>ROA</i>	0.695	0.000	0.693	0.000	0.696	0.000	0.695	0.000	0.692	0.000
<i>SIZE</i>	-0.110	0.000	-0.111	0.000	-0.109	0.000	-0.109	0.000	-0.110	0.000
<i>CR</i>	0.011	0.000	0.012	0.000	0.012	0.000	0.011	0.000	0.011	0.000
<i>AGE</i>	0.017	0.000	0.017	0.000	0.017	0.000	0.017	0.000	0.017	0.000
<i>MTB</i>	0.001	0.000	0.001	0.000	0.001	0.000	0.001	0.000	0.001	0.000
<i>LTDR</i>	0.075	0.072	0.072	0.082	0.071	0.086	0.072	0.084	0.069	0.095
<i>BIND</i>	-0.010	0.571	-0.010	0.574	-0.007	0.704	-0.009	0.610	-0.009	0.612
<i>BUSY</i>	-0.014	0.871	-0.014	0.875	-0.014	0.869	-0.015	0.868	-0.014	0.872
<i>Constant</i>	1.170	0.000	1.185	0.000	1.148	0.000	1.167	0.000	1.182	0.000
<i>Obs</i>	1328		1328		1328		1328		1328	
<i>R² Adj.</i>	17.42		6.06		17.25		11.72		6.63	

Table A.16. Effect with the eighth model 1.

Variables	Coef.	Prob
<i>FOWN</i>	0.046	0.167
<i>INS</i>	0.063	0.158
<i>MLOWNTOTAL</i>	0.005	0.117
<i>LEV</i>	0.054	0.122
ROA	0.324	0.000
SIZE	-0.109	0.000
CR	0.016	0.000
AGE	0.028	0.000
MTB	0.000	0.693
LTDR	0.260	0.000
BIND	-0.004	0.881
BUSY	0.069	0.559
<i>Constant</i>	0.238	0.127



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