### The Impact of Competition on the Increasing of the Competitiveness

#### Rodica Pripoaie<sup>1</sup>

**Abstract:** Generally speaking, this work presents the relation between competition and competitiveness, as the firms compete with one another in order to obtain a greater cut of the market share. At the firm level, competitiveness refers to its ability to adapt as quickly as possible to market requirements and to innovate so as to satisfy consumers. Studying consumer needs is an essential condition for delivering quality products and services, so that quality strategy determines the progress of a company in the area of competitiveness. At a national level, competitiveness can be seen as a way to increase the population's standard of living by using limited resources in the best way possible. Competitiveness is influenced in any country not only by fiscal policy, but also by monetary and foreign exchange policy.

Keywords: competition; competitiveness; quality strategy; efficiency; competitive advantage

JEL Classification: M14

#### **1. Introduction**

Generally speaking, the firms compete with one another in order to obtain a greater cut of the market share. Competition is an impulse for companies to make the highest quality goods and services at the lowest prices.

At the firm level, competitiveness refers to its ability to adapt as quickly as possible to market requirements and to innovate in order to satisfy consumers. Studying consumer needs is an essential condition for delivering products and services of high quality, so that the quality strategy determines the progress of a company in the area of competitiveness. At a national level, competitiveness can be seen as a way to increase the population's standard of living by using limited resources in the best way possible. Competitiveness is influenced in any country not only by fiscal policy, but also by monetary and foreign exchange policy.

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Competition policy influences competitiveness through the following tools:

- rewards efficient companies and penalizes inefficient ones;

- guides the state aids to objectives such as: regional development, innovation-development-research, development of small and medium-sized enterprises;

- creates a competitive environment without anticompetitive practices such as abuse of dominant position or economic concentration.

Competition is an impulse to increase the competitiveness of companies as it encourages them to be more efficient through the following methods:

- an optimal use of material, financial and human resources;
- stimulates companies to acquire know-how.

The legal regulations which block the competition have negative effects on competitiveness as it slows down the process of technological upgrade.

The more markets encourage competition between the firms, the more visible the effects on competitiveness are and so, the consumers have only to win from this. In this way, also in Romania, in the recent years, the services market liberalization for cell phones and internet, electricity and air transport has led to a great progress with positive outcomes for consumers resulted in a significant decrease of tariffs.

Because the rules application in the field of competition should be made at European standards, the national legislation regarding the competition needs to be harmonized with the acquis communautaire.

Competition policy influences economic activity both at microeconomic and macroeconomic level. At macroeconomic level, competition policy has a positive role because:

- competition between firms determines the economic growth;
- competition between companies leads to productivity gains;
- it is an important factor in the optimal utilisation of resources in the economy;

- it makes as more efficient companies to survive on the market, while of less efficient firms are forced to restructure to become more competitive or eliminated from the market;

- limits artificial price increases due to anticompetitive practices;

- leads to increase a degree of external competitiveness of companies and thus to increase exports and strengthening of the national currency;

- it stimulates increase of foreign direct investments resulting creating new jobs and thus reducing unemployment and the import of know-how.

the nationa	l economy from the competition p	olicy perspective
Banking	Liberal Professions	Energy
Insurances	Health	Public Utilities
Media	Food Sector	Constructions
Transports	Electronics And Home Appliances	Automotive
	Communications And Information	Products For
	Technology	Personal Use

Table 1. The essential/key sectors of

Source:

http://www.consiliulconcurentei.ro/uploads/docs/items/bucket12/id12185/brosura\_sinteza\_ raport\_anual\_2016.pdf, p. 15

### 2. The Evolution of the Main Indicators Monitored by the Competition Council in Romania during the period 2009 and 2017

"A strong economy is governed by the principles of free competition, which is an essential element for consumer welfare. Where there is an economy based on competition between businesses, consumers benefit from a wide range of products and services, at the right price and a high quality. The Competition Council thus has the important role of guardian of consumer interests." (Chiritoiu, President of Competition Council. Annual Report, 2017. Synthesis. p. 7. http://www.consiliulconcurentei.ro/uploads/docs/items/bucket13/id13183/sinteza\_r aport\_cc\_2017.pdf). The Romanian Competition Council monitors the evolution of the main indicators and presents annually a report summarizing the activities of the council and the measures taken. On the basis of the annual reports of the Competition Council from 2009 to 2017, we extracted a series of indicators that are presented in the following table:

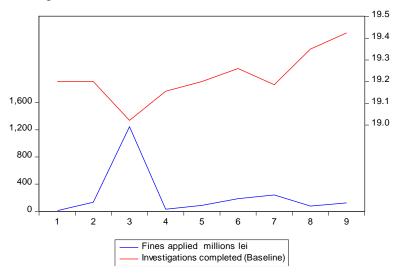
Table 2. The Evolution of the main indicators monitored by the Competition Council
in Romania during the period 2009 and 2017

Year	Fines applied (millions lei)	Fines applied (millions EUR)	Budget (millions lei)	New investigations	Investigation s completed	Personnel	of which inspec tors
2009	8.76	2.38	41.9	27	16	299	214
2010	132.5	31.49	36.64	21	16	295	214
2011	1246.64	294.16	34.33	24	20	286	202
2012	30.22	6.78	41.25	18	22	292	211
2013	86.78	19.637	45.15	12	19	306	214
2014	184.64	41.54	62.1	9	16	308	218
2015	239.68	53.92	53.59	13	21	314	213
2016	76.8	17.1	47.23	13	25	324	224
2017	123.1	27	47.1	19	18	337	229

Source: own calculations on the base the annually reports of the Competition Council in Romania in period 2009-2017

# 2.1. The Analysis of Data Series for Fines applied and Investigations completed with EViews 10

*Fines applied* data series and *investigations completed* are used to determine descriptive indicators and statistical or graphical estimation of econometric models. Evolution of the two variables analyzed in the period 2009-2017 is presented using EViews 10, as follows:



It appears that the fines applied was greatest in the third years analyzed (2011) just when the investigations completed was minimum, but this it is not specifically for the series because we can see that in the rest of the period the value of the fines was in a quasi direct relationship depending on the number of completed investigations. The previous figure shows that fines have a relatively evolution with number of investigations completed during the nine years analyzed.

Descriptive indicators for fines and number of investigations completed data series are those in the following table:

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	FINES_LEI												
lean	236.5689	19.22222											
/ledian	123.1000	19.20065											
laximum	1246.640	19.42464											
linimum	8.760000	19.02147											
Std. Dev.	385.5345	0.115209											
Skewness	2.313048	0.171051											
Kurtosis	6.663361	2.868237											
larque-Bera	13.05787	0.050398											
Probability	0.001461	0.975116											-
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Bum	2129,120	173.0000											
Sum Sq. Dev.	1189095.	0.106185											
Observations	9	9											
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Ordinary covariance analysis between the series fines and investigations completed is as follows and we can observe it appears that the two variables are perfectly correlated.

Covariance Analysis: Ordinary Date: 10/30/18 Time: 19:51 Sample: 1 9 Included observations: 9

Covariance Correlation	FINES LEI	INVESTIGAT	
FINES_LEI	132121.7		
	1.000000		
INVESTIGATIONS	-24.90717	0.011798	
	-0.630852	1.000000	

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Date: 10/30/18 Time: 21:20 Series: FINES\_LEI INVESTIGATIONS\_COMPLETED\_0 Sample: 1 9 Included observations: 9 Null hypothesis: Series are not cointegrated Cointegrating equation deterministics: C Automatic lags specification based on Schwarz criterion (maxlag=1)

Dependent	tau-statistic	Prob.*	z-statistic	Prob.*
FINES_LEI	-3.525196	0.1226	-36.97433	1.0000
INVESTIGATIONS	-0.703751	0.9478	-2.568867	0.9114

\*MacKinnon (1996) p-values.

Warning: p-values may not be accurate for fewer than 20 observations.

Intermediate Results:

	FINES_LEI	<u>INVESTIGATIONS_CO</u>
Rho - 1	-2.178804	-0.321108
Rho S.E.	0.618066	0.456281
Residual variance	71549.52	0.006486
Long-run residual variance	420508.5	0.006486
Number of lags	1	0
Number of observations	7	8
Number of stochastic trends**	2	2

\*\*Number of stochastic trends in asymptotic distribution

Group unit root test: Summary Series: FINES\_LEI, INVESTIGATIONS\_COMPLETED\_0 Date: 10/30/18 Time: 21:21 Sample: 1 9 Exogenous variables: Individual effects Automatic selection of maximum lags Automatic lag length selection based on SIC: 0 Newey-West automatic bandwidth selection and Bartlett kernel Balanced observations for each test

			Cross-	
Method	Statistic	Prob.**	sections	Obs
Null: Unit root (assumes comm	<u>n</u> on unit root p	process)		
Levin, Lin & Chu t*	-1.74244	0.0407	2	16
Null: Unit root (assumes individ	<u>d</u> ual unit root	process)		
lm, Pesaran and Shin W-stat	-0.40973	0.3410	2	16
ADF - Fisher Chi-square	5.81186	0.2136	2	16
PP - Fisher Chi-square	6.12819	0.1898	2	16

\*\* Probabilities for Fisher tests are computed using an asymptotic Chi -square distribution. All other tests assume asymptotic normality.

The previous conclusion is confirmed by the Squared Multiple Correlation shown in following table:

Dependent Variable: FINES\_LEI Method: Least Squares Date: 10/31/18 Time: 18:06 Sample: 2009 2017 Included observations: 9

Variable	Coefficient	Std. Error	t-Statistic	Prob.
INVESTIGATIONS_COMPLETED C	9.071203 62.20020	46.67499 907.5989	0.194348 0.068533	0.8514 0.9473
R-squared Adjusted R-squared S.E. of regression Sum squared resid Log likelihood F-statistic Prob(F-statistic)	0.005367 -0.136724 411.0463 1182713. -65.80788 0.037771 0.851423	Mean depend S.D. depende Akaike info cri Schwarz criter Hannan-Quin Durbin-Watso	nt var terion ion n criter.	236.5689 385.5345 15.06842 15.11225 14.97384 2.346896

To determine the regression equation applies Least Squares Method. So, we obtain the following regression equation:

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Estimation Command:

\_\_\_\_\_

LS FINES\_LEI INVESTIGATIONS\_COMPLETED C

**Estimation Equation:** 

\_\_\_\_\_

 $FINES\_LEI = C(1)*INVESTIGATIONS\_COMPLETED + C(2)$ 

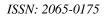
Substituted Coefficients:

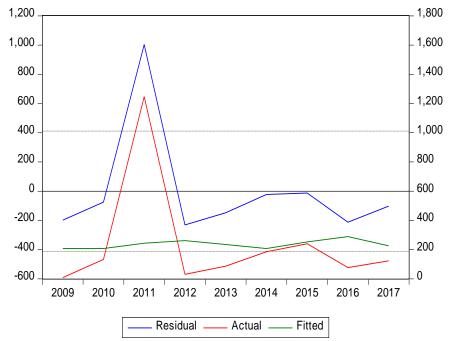
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FINES\_LEI = 9.0712034384\*INVESTIGATIONS\_COMPLETED + 62.2002005731

obs	Actual	Fitted	Residual	Residual Plot
1	8.76	282.109	-273.34	
2	132.5	282.109	-149.60	
3	1246.64	660.372	586.267	
4	30.22	376.664	-346.44	
5	86.78	282.109	-195.32	
6	184.64	156.014	28.6251	I I 🔶 I
7	239.68	313.627	-73.947	I 📢 I
8	76.8	-33.137	109.937	
9	123.1	-190.75	313.850	I
7 8	239.68 76.8	313.627 -33.137	-73.947 109.937	

In the previous figure are actual and estimated values of the feature analysis (Y) and the residual variable values and chart series. Another way of presenting the residual variable: Actual, Fitted, Residual Graphis presented in the following figure:





Correlogram of Residuals can be shows like in the following table:

Date: 10/31/18 Time: 18:18 Sample: 2009 2017 Included observations: 9

_	Autocorrelation			Partial Correlation				AC	PAC	Q-Stat	Prob
=	         		         			       	2 3 4 5	-0.195 -0.268 0.060 0.070 -0.155	-0.318 -0.081 -0.023 -0.166	0.4684 1.4827 1.5421 1.6379 2.2345 2.4019	0.494 0.476 0.673 0.802 0.816 0.879
	Ι	þ	I	1		I	7	0.042	-0.131	2.4896	0.928
	I	Ì	Ι	j i		I	8	0.017	-0.099	2.5189	0.961

Correlogram of Residuals Squared is:

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Date: 10/31/18 Time: 18:21 Sample: 2009 2017 Included observations: 9

ļ	utocorre	alation	Partial Correlation				AC	PAC	Q-Stat	Prob
		1 1 1 1				2 3 4 5	-0.133 -0.067 -0.079 -0.044	-0.150 -0.108 -0.131 -0.109	0.1817 0.4314 0.5059 0.6295 0.6764 0.9799	0.670 0.806 0.918 0.960 0.984 0.986
1	þ	I	1	q	I I	7	0.027	-0.077	1.0155	0.995
I	l l	I.		q	I I	8	0.013	-0.082	1.0319	0.998

Breusch-Godfrey Serial Correlation LM Test: Null hypothesis: No serial correlation at up to 2 lags

F-statistic	1.118868	Prob. F(2,5)	0.3967
Obs*R-squared	2.782586	Prob. Chi-Square(2)	0.2488

Test Equation: Dependent Variable: RESID Method: Least Squares Date: 10/30/18 Time: 21:33 Sample: 1 9 Included observations: 9 Presample missing value lagged residuals set to zero.

Variable	Coefficient	Std. Error	t-Statistic	Prob.
INVESTIGATIONS_COMPLETED_0	235.4301	978.7373	0.240545	0.8195
C	-4570.433	18818.62	-0.242868	0.8178
RESID(-1)	-0.482729	0.434217	-1.111725	0.3168
RESID(-2)	-0.596962	0.446062	-1.338293	0.2384
R-squared Adjusted R-squared S.E. of regression Sum squared resid Log likelihood F-statistic Prob(F-statistic)	0.309176 -0.105318 314.4957 494537.6 -61.88414 0.745912 0.569355	Mean depend S.D. depende Akaike info cr Schwarz crite Hannan-Quin Durbin-Watso	ent var iterion rion n criter.	2.41E-12 299.1376 14.64092 14.72858 14.45176 1.910317

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H <del>ete</del> roskedasticity Test: Breus Null hypothesis: Homoskedas			
F-statistic	3.724522	Prob. F(1,7)	0.0949
Obs*R-squared	3.125612	Prob. Chi-Square(1)	0.0771
Scaled explained SS	1.544452	Prob. Chi-Square(1)	0.2140

Test Equation: Dependent Variable: RESID<sup>2</sup> Method: Least Squares Date: 10/30/18 Time: 21:34 Sample: 1 9 Included observations: 9

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C INVESTIGATIONS_COMPLETED_0	10682045 -551575.3	5493892. 285804.8	1.944349 -1.929902	0.0929 0.0949
R-squared	0.347290	Mean depend	lent var	79540.72
Adjusted R-squared	0.254046	S.D. depende	ent var	107831.3
S.E. of regression	93132.44	Akaike info cr	iterion	25.91456
Sum squared resid	6.07E+10	Schwarz crite	rion	25.95839
Log likelihood	-114.6155	Hannan-Quin	n criter.	25.81998
F-statistic	3.724522	Durbin-Watso	on stat	1.728812
Prob(F-statistic)	0.094936			

We can estimate the fines applied with Least Squares Method thus:

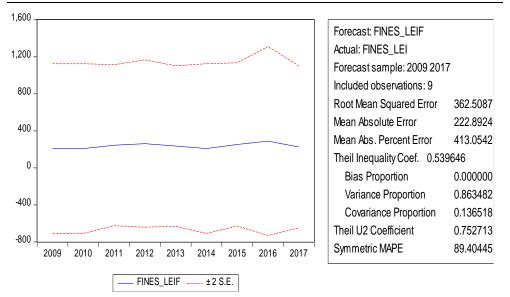
Dependent Variable: FINES\_LEI Method: Least Squares Date: 10/31/18 Time: 18:07 Sample: 2009 2017 Included observations: 9

Variable	Coefficient	Std. Error	t-Statistic	Prob.
INVESTIGATIONS_COMPLETED C	9.071203 62.20020	46.67499 907.5989	0.194348 0.068533	0.8514 0.9473
R-squared Adjusted R-squared S.E. of regression Sum squared resid Log likelihood F-statistic Prob(F-statistic)	0.005367 -0.136724 411.0463 1182713. -65.80788 0.037771 0.851423	Mean depend S.D. depende Akaike info cri Schwarz criter Hannan-Quin Durbin-Watso	nt var terion ion n criter.	236.5689 385.5345 15.06842 15.11225 14.97384 2.346896

The forecast for fines applied is as follows:

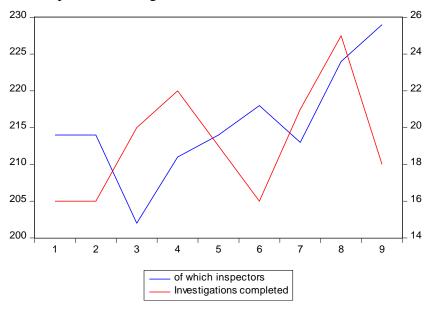
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# **2.2.** The Analysis of Data Series for Investigations Completed and Number of Inspectors with Eviews 10

*Investigations completed* data series and *number of Inspectors* are used to determine descriptive indicators and statistical or graphical estimation of econometric models. Evolution of the two variables analyzed in the period 2009-2017 is presented using EViews 10, as follows:



It appears that the investigations completed was greatest in the fourth years analyzed (2012) and we can see in the rest of the period the value of the fines was in a relative direct relationship depending on the number of inspectors.

Descriptive indicators for number of investigations completed and of inspectors data series are those in the following table:

	INSPECTORS	INVESTIGATIONS_COMPLETED
Mean	215.4444	19.22222
Median	214.0000	19.00000
Maximum	229.0000	25.00000
Minimum	202.0000	16.00000
Std. Dev.	7.715425	3.113590
Skewness	0.170966	0.519171
Kurtosis	2.868266	2.259304
Jarque-Bera	0.050352	0.610044
Probability	0.975138	0.737107
Sum	1939.000	173.0000
Sum Sq. Dev.	476.2222	77.55556
Observations	9	9

Ordinary covariance analysis between the series investigations completed and number of inspectors is as follows and we can observe it appears that the two variables are perfectly correlated.

> Covariance Analysis: Ordinary Date: 10/30/18 Time: 17:23 Sample: 1 9 Included observations: 9

Covariance Correlation <u>t-Statistic</u>	INSPECTORS	INVESTIGAT	
INSPECTORS	52.91358		
	1.000000		
INVESTIGATIONS	0.790123	8.617284	
	0.037002	1.000000	
	0.097965		

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Date: 10/30/18 Time: 19:05 Sample (adjusted): 3 9 Included observations: 7 after adjustments Trend assumption: Linear deterministic trend Series: INSPECTORS INVESTIGATIONS\_COMPLETED Lags interval (in first differences): 1 to 1

Unrestricted Cointegration Rank Test (Trace)

Hypothesized No. of CE(s)	Eigenvalue	Trace Statistic	0.05 Critical Value	Prob.**
None *	0.994361	36.45655	15.49471	0.0000
At most 1	0.029669	0.210827	3.841466	0.6461

Trace test indicates 1 cointegrating eqn(s) at the 0.05 level

\* denotes rejection of the hypothesis at the 0.05 level

\*\*MacKinnon-Haug-Michelis (1999) p-values

Unrestricted Cointegration Rank Test (Maximum Eigenvalue)

Hypothesized No. of CE(s)	Eigenvalue	Max-Eigen Statistic	0.05 Critical Value	Prob.**
None *	0.994361	36.24572	14.26460	0.0000
At most 1	0.029669	0.210827	3.841466	0.6461

Max-eigenvalue test indicates 1 cointegrating eqn(s) at the 0.05 level \* denotes rejection of the hypothesis at the 0.05 level

\*\*MacKinnon-Haug-Michelis (1999) p-values

Unrestricted Cointegrating Coefficients (normalized by b'\*S11\*b=I):

INSPECTORS -0.017124 0.263028	INVESTIGATIONS 0.696665 0.182935	COMPLETED		
Unrestricted Adj	ustment Coefficie	nts (alpha):		
D(INSPECT D(INVESTIGA		0.468118 0.230707		
1 Cointegrating I	Equation(s):	Log likelihood	-20.18872	
	tegrating coefficier INVESTIGATIONS -40.68301 (1.79533)	-	or in parentheses)	762
Adjustment coef D(INSPECT	ficients (standard ) -0.086918 (0.02713)	error in parenthe	ses)	
D(INVESTIGA	(0.02713) 0.044790 (0.01338)			

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The previous conclusion is confirmed by the Squared Multiple Correlation shown in following table:

Dependent Variable: INVESTIGATIONS\_COMPLETED Method: Least Squares Date: 10/30/18 Time: 19:22 Sample: 1 9 Included observations: 9

Variable	Coefficient	Std. Error	t-Statistic	Prob.
INSPECTORS C	0.014932 16.00513	0.152425 32.85775	0.097965 0.487104	0.9247 0.6411
R-squared Adjusted R-squared S.E. of regression Sum squared resid Log likelihood F-statistic Prob(F-statistic)	0.001369 -0.141292 3.326289 77.44937 -22.45625 0.009597 0.924706	Mean depend S.D. depende Akaike info cri Schwarz criter Hannan-Quin Durbin-Watso	nt var terion ion n criter.	19.22222 3.113590 5.434721 5.478549 5.340141 1.679740

To determine the regression equation applies Least Squares Method. So, we obtain the following regression equation:

Estimation Command:

\_\_\_\_\_

#### LS INVESTIGATIONS\_COMPLETED INSPECTORS C

\_\_\_\_\_

Estimation Equation:

\_\_\_\_\_

INVESTIGATIONS\_COMPLETED = C(1)\*INSPECTORS + C(2)

Substituted Coefficients:

INVESTIGATIONS\_COMPLETED = 0.0149323378441\*INSPECTORS + 16.0051329911

obs	Actual	Fitted	Residual	Residual Plot
4				
I	16	19.2006	-3.2006	¶ ! '
2	16	19.2006	-3.2006	
3	20	19.0214	0.97853	
4	22	19.1558	2.84414	· · · ·
5	19	19.2006	-0.2006	
6	16	19.2603	-3.2603	
7	21	19.1857	1.81427	
8	25	19.3499	5.65002	
9	18	19.4246	-1.4246	1 • I

Correlogram of Residuals can be shows like in the following table:

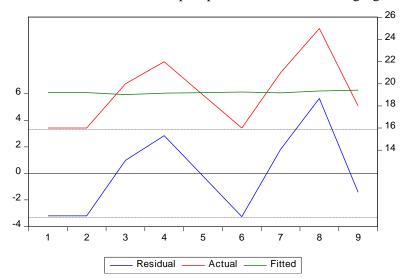
Date: 10/30/18 Time: 19:31 Sample: 1 9 Included observations: 9

Correlogram of Residuals Squared is:

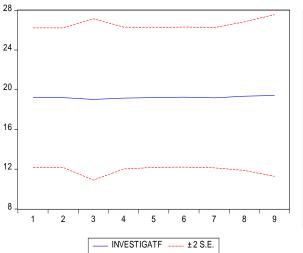
Date: 10/30/18 Time: 19:32 Sample: 1 9 Included observations: 9

_	Autocorrelation			Partial Correlation					AC	PAC	Q-Stat	Prob
_	       		       				         	2 3 4	0.236 -0.318 0.098 -0.238 0.105	0.086 -0.236 -0.139 -0.248 -0.170	2.0341 2.8231 4.4917 4.6821 6.0874 6.4542 6.5193	0.154 0.244 0.213 0.321 0.298 0.374 0.481
	Т	ĺ.	Т	İ	I		I	8	-0.014	-0.134	6.5394	0.587

In the previous figure are actual and estimated values of the feature analysis (Y) and the residual variable values and chart series. Another way of presenting the residual variable: Actual, Fitted, Residual Graphis presented in the following figure:



The forecast for investigations completed is as follows:



Forecast: INVESTIGATF Actual: INVESTIGATIONS_COMPLETED Forecast sample: 1 9							
Included observations: 9	Included observations: 9						
Root Mean Squared Error	2.933511						
Mean Absolute Error	2.508218						
Mean Abs. Percent Error	13.15738						
Theil Inequality Coef. 0.07	Theil Inequality Coef. 0.075865						
Bias Proportion	0.000000						
Variance Proportion	0.928636						
Covariance Proportion	0.071364						
Theil U2 Coefficient	0.744492						
Symmetric MAPE	12.98588						

#### **3.** Conclusions

The companies compete with one another in order to obtain a greater cut of the market share. Competition is an impulse for companies to make the highest quality goods and services at the lowest prices. Competitiveness refers to its ability to adapt as quickly as possible to market requirements and to innovate in order to satisfy consumers. Studying consumer needs is an essential condition for delivering products and services of high quality, so that the quality strategy determines the progress of a company in the area of competitiveness. At a macroeconomic level, competitiveness can be seen as a way to increase the population's standard of living by using limited resources in the best way possible.

Competition policy influences competitiveness through the following tools: rewards efficient companies and penalizes inefficient ones and creates a competitive environment without anticompetitive practices such as abuse of dominant position or economic concentration.

The legal regulations which block the competition have negative effects on competitiveness as it slows down the process of technological upgrade.

The more markets encourage competition between the firms, the more visible the effects on competitiveness are and so, the consumers have only to win from this. Because the rules application in the field of competition should be made at European standards, the national legislation regarding the competition needs to be harmonized with the acquis communautaire.

The Romanian Competition Council monitors the evolution of the main indicators and presents annually a report summarizing the activities of the council and the measures taken.

#### 4. References

Lipsey, R. (April, 2000). ISD and economic growth in developing countries. *Transnational Corporations*. vol. 9.

Porter, M. (1985). *Competitive advantage. Creating and sustaining superior performance.* The Free Press.

Pripoaie, R. (2008). Economic Statistics. Bucharest: EDP.

Turtureanu, A.G. (2011). Aspects of Global Crisis. Acta Universitatis Danubius. Æconomica, Vol 7, No. 3.

http://www.consiliulconcurentei.ro/ro/publicatii/rapoarte-anuale.html.