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SEM –	-	[8; 19; 20]	
MIMIC – «	-	[10; 13; 14; 17; 22]	;
» (SEM)	-		;
DYMIMIC –	-	[21; 23]	
« MIMIC- »,	-		
DSGE –	-	[15; 18]	
RBC –	-	[5]	;
DSGE	-		

· (: , 2003)	· - - (: , 2003)	· - - (: , 2003)	· - - (: , 2003)	· - - (: , 2003)	· - - (: , 2003)	· - - (: , 2003)	· - - (: , 2003)
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– URL:<http://iep.donetsk.ua/projects/shadow/shadow2.html> .

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	0,001	0,946
	-0,107	0,912
	0,457	-0,389
	-0,399	0,274
	-0,077	0,889
	0,880	-0,164
	-0,873	-0,208
	0,955	0,011
	0,478	-0,078
	0,790	-0,386
	-0,649	0,640
	-0,704	0,431
	0,437	-0,188
	-0,070	0,130
	0,299	-0,063
	0,015	0,017
	0,210	0,038
	4,931	3,621
	0,290	0,213

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(ELECTRIC),
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.4.

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CHILD CARE	4,300	92,300	60,679	12,585
HOSPITAL	39,600	238,500	95,560	21,788
CRIME	335,000	5004,000	2003,685	731,631
NAT_INCR	-15,900	23,000	-3,184	5,624
LIFE_EXP	54,200	80,100	66,770	3,456
DEP_TO_I	0,015	7,932	1,743	0,904
CONS_TO_I	0,270	0,990	0,674	0,098
CARS	24,000	484,800	189,068	61,317
EMPLOYMENT	16,500	80,400	61,043	6,321
ELECTRIC	0,005	0,397	0,057	0,045

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2002 2013 .

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			-
-	CHILDCARE	-	-0,621
-	HOSPITAL	+	0,087
100 . . .	CRIME	+	0,144
1000 .	NAT_INCR		-0,071
	LIFE_EXP		-0,234
() /	DEP_TO_I	+	-0,093
/	CONS_TO_I	-	0,073
1000 .	CARS	-	-0,122
, %	EMPLOYMENT	= -1	-1
/	ELECTRIC	+	0,107
(RMSEA)			0,000
P- (RMSEA < 0,05)			0,827

			-
(45)	-		119,120
(AGFI)	-		0,900
-			18
-			790

« »,

MIMIC-

$$\begin{aligned}
 SHADOW = & -0,621 \text{ CHILDCARE} + 0,087 \text{ HOSPITAL} + \\
 & + 0,144 \text{ CRIME} - 0,071 \text{ NAT_INCR} - 0,234 \text{ LIFE_EXP} - \\
 & - 0,093 \text{ DEP_TO_I} + 0,073 \text{ CONS_TO_I} - 0,122 \text{ CARS.}
 \end{aligned} \tag{1}$$

$SHADOW_t$

t

$$SHADOW_t = \frac{SHADOW_{index t}}{SHADOW_{index base}} SHADOW_{base} \tag{2}$$

$SHADOW_{index t}$ - MIMIC- t -
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A.P. Kireenko, E.N. Nevzorova, E.N. Orlova, O.Yu. Polyakova

SHADOW ECONOMY IN RUSSIAN REGIONS: AN ESTIMATION WITH THE MIMIC MODEL

The paper hypothesizes the possibility of estimating the shadow economy in Russian regions based on the population's standard of living and quality of life. The research method involves factor analysis and MIMIC models. For the basis of the study we chose a statistics factor analysis by region for the period between 2002 and 2013, broken down by 17 indicators. We highlight the factors that quantify the quality of life and experience the impact of the shadow economy. We design a MIMIC model and assess regional differences in the scale of the shadow economy. The model allows estimating the scale and dynamics of the shadow economy, as well as the local authorities' contribution to the region's development by evaluating the dynamics of shadow activities within the economy.

Keywords: shadow economy; quality of life; methods of measuring the shadow economy; size of the shadow economy; regions; MIMIC model

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