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## METHODICAL ASPECTS OF THE ENTERPRISE FINANCIAL CRISIS DIAGNOSIS

The article describes the method of the financial crisis diagnosis at the enterprise. The comparison of different models for determining the probability of enterprise bankruptcy was carried out. Stepwise procedure for assessing the crisis state of the enterprise was outlined.

*Keywords:* enterprise financial crisis, diagnosis, financial condition, methods, models, bankruptcy.

( [3], [8], [9], [1], [6], [7], [2], )



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-		90 %			
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[3, 5, 6]

[1; 2; 3; 6; 7].

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$(x_{11}, x_{12}, x_{13}, x_{14}, x_{15}, x_{16}, x_{17}, x_{18}, x_{19}, x_{20}, x_{21}, x_{22}, x_{23}, x_{24}, x_{25}, x_{26}, x_{27}, x_{28}, x_{29}, x_{30}, x_{31}, x_{32}, x_{33}, x_{34}, x_{35}, x_{36}, x_{37}, x_{38}, x_{39}, x_{40}, x_{41}, x_{42}, x_{43}, x_{44}, x_{45}, x_{46}, x_{47}, x_{48}, x_{49}, x_{50}, x_{51}, x_{52}, x_{53}, x_{54}, x_{55})$

[1; 2; 3; 6; 7].

$(x_{11}, x_{12}, x_{13}, x_{14}, x_{15}, x_{16}, x_{17}, x_{18}, x_{19}, x_{20}, x_{21}, x_{22}, x_{23}, x_{24}, x_{25}, x_{26}, x_{27}, x_{28}, x_{29}, x_{30}, x_{31}, x_{32}, x_{33}, x_{34}, x_{35}, x_{36}, x_{37}, x_{38}, x_{39}, x_{40}, x_{41}, x_{42}, x_{43}, x_{44}, x_{45}, x_{46}, x_{47}, x_{48}, x_{49}, x_{50}, x_{51}, x_{52}, x_{53}, x_{54}, x_{55})$

$(x_{11}, x_{13}, x_{14}, x_{21}, x_{22}, x_{23}, x_{24}, x_{25}, x_{26}, x_{32}, x_{33}, x_{35}, x_{36}, x_{41}, x_{43}, x_{45}, x_{51}, x_{52}, x_{53}, x_{54}, x_{55})$

[5; 7].

$(x_{11}, x_{13}, x_{14}, x_{21}, x_{22}, x_{23}, x_{24}, x_{25}, x_{26}, x_{32}, x_{33}, x_{35}, x_{36}, x_{41}, x_{43}, x_{45}, x_{51}, x_{52}, x_{53}, x_{54}, x_{55})$

$$\tilde{x}_{ij}^k = \frac{x_{ij}^k - \min x_{ij}}{\max x_{ij} - \min x_{ij}}, \quad x_{ij} \in S; \tag{1}$$

$$\tilde{x}_{ij}^k = \frac{\max x_{ij} - x_{ij}^k}{\max x_{ij} - \min x_{ij}}, \quad x_{ij} \in DS; \tag{2}$$

$$\tilde{x}_{ij}^k = \frac{\max x_{ij} - \min x_{ij} - R|Z - x_{ij}^k|}{\max x_{ij} - \min x_{ij}}, \quad x_{ij} \notin S, x_{ij} \notin DS; \tag{3}$$

$S$  — ;  $DS$  — ;  $x_{ij}^k$  —  
 $X_{ij}, k = \overline{1,54}; \tilde{x}_{ij}^k$  —  $X_{ij}; \max x_{ij}$  —

$X_{ij}; \min x_{ij} \text{ —}$   $X_{ij}; Z \text{ —}$   
 $X_{ij}; R \text{ —}$   
 4. 0 1 [4].  
 5 3, 5  
 ( .2).

2.

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		$X_{ij}$

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[4]

$X_{ij}$   
 5. 0-1 5  
 :

$$K_i = \frac{i}{\sum_{i=1}^k i}, \quad (4)$$

$i-$  ;  $k-i$  1,

. 3.

3.

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11, 12, 13, 14	0,083333
21, 22, 23, 24, 25, 26	0,033333
31, 32, 33, 34, 35, 36	0,022222
41, 42, 43, 44, 45	0,053333
51, 52, 53, 54, 55	0,013333

\*

6.

$$p = \sum_{m=1}^5 p_m \sum_{i=1}^{54} K(X_{ij}) \times \mu_i(X_{ij}), \quad (5)$$

$$p_m = 0,9 - 0,2 \times (m - 1) [5].$$

4.

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		0 – 0,25
		0,25 – 0,45
		0,45 – 0,65
		0,65 – 0,85
		0,85 – 1

\*

[4]

«...».

1.

Z-

k-

Z-

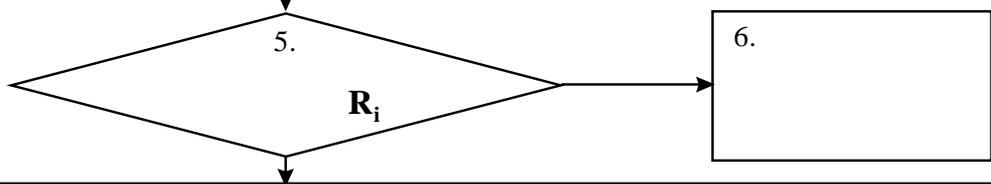
1. ... — 776 .

1.

2. , ,

3.  $r_{ij}$

4. 
$$R_i = \left( \prod_j r_{ij} \right)^{1/n}$$



7.  $R_j$

8.

9. ( M)

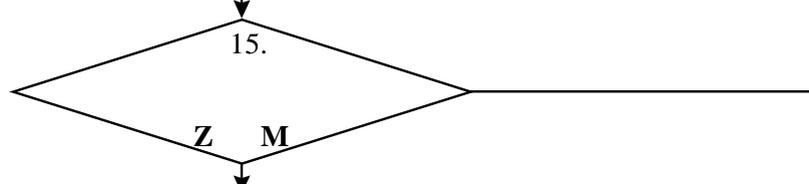
10.

11. Z

12. Z-

13. Z-

14. Z



16. Z-

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