

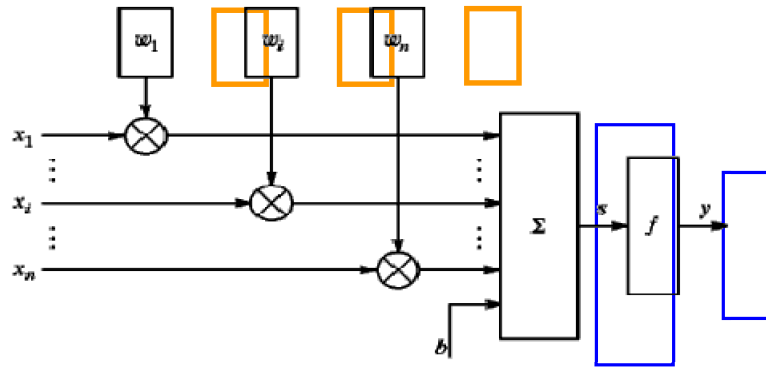
(.1).

1

/		2000-2009 .
1		11
2		11
3		10
4		10
5		10
6		9
7		9
8		8
9		8
10		8
11		8
12		7
13		7
14		7
15		7
16		5

()

(.1).



w_i - $(i=1, \dots, n)$; b - $(i=1, \dots, n)$; y - $(i=1, \dots, n)$; x_i - $(i=1, \dots, n)$; f - $(i=1, \dots, n)$; n - $(i=1, \dots, n)$; S - $(i=1, \dots, n)$; f - $(i=1, \dots, n)$

$$ZRD_k = NN(ZRP_{kj}, RZ_{kj}, Iok_{kj}, ZZV_{kj}, ShR_{kj}, TV_{kj}, PV_{kj}, BN_{kj}, VIL_{kj}, Tub_{kj}, KN_{kj}, KS_{kj}, PP_{kj}) \quad (3)$$

ZRD_k - $(k=1, \dots, n)$; NN - $(i=1, \dots, n)$; ZRP_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; RZ_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; Iok_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; ZZV_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; ShR_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; TV_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; PV_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; BN_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; VIL_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; Tub_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; KN_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; KS_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; PP_{kj} - $(k=1, \dots, n; j=1, \dots, n)$; k - $(i=1, \dots, n)$; j - $(i=1, \dots, n)$; n - $(i=1, \dots, n)$; S - $(i=1, \dots, n)$; f - $(i=1, \dots, n)$

(.2).

Сигнал	Значимость
ZRP	0.8082989
RZ	0.477957
Iok	0.9691722
ZZV	0.630863
ShR	0.8591008
ToxVid	1
PV	0.5704097
BN	0.1932325
VIL	0.7808475
Tub	0.1822405
KN	0.5609777
KS	0.3993607
PP	0.7966704

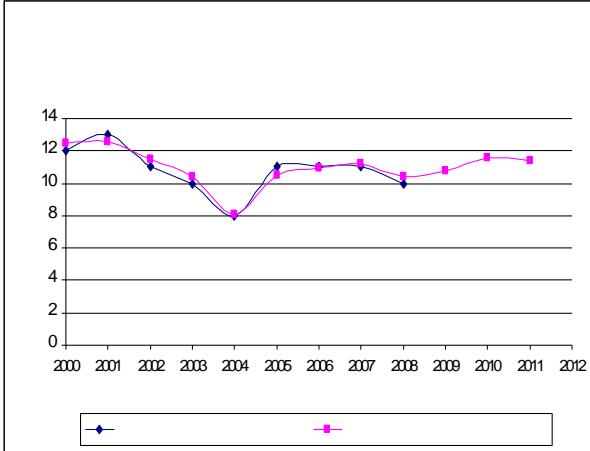
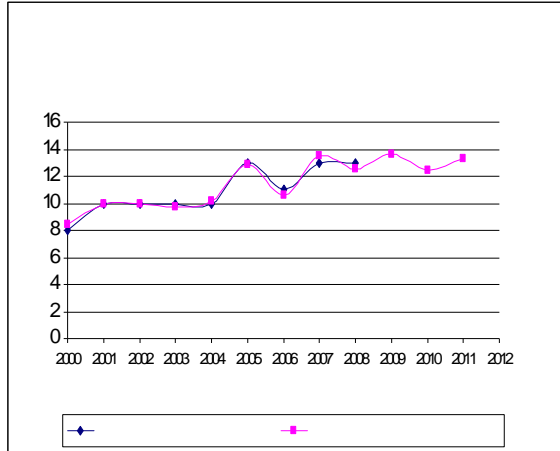
Сигнал	Значимость
ZRP	0.7084825
RZ	0.09526132
Iok	0.6848427
ZZV	1
ShR	0.1681262
ToxVid	0.4910869
PV	0.4888903
BN	0.332035
VIL	0.2982873
Tub	0.4641668
KN	0.2292242
KS	0.8360533
PP	0.4982104

.2.

: (0,969), (0,988),
 (0,796); (0,859),
 : (0,836), (0,708), (0,991),
 (0,684).

3

(.3).



)
 .3.
 (-) ,)-)

- 1.
 - 2.
 - 3.
 - 4.
-
- 1.
 - 2.
 - 3.
 - 4.

