

... « », ... « »

2003-2005 . .

2003-2008

2009

2003-2008 . .

2009

The natural gas industry is one of the most important branches of the fuel industry in Ukraine. This paper presents the research of natural gas production during the 2003-2008. The mathematical model of the production is developed. The connection closeness and significance between the attributes are defined. The predicted value is obtained for 2009.

[1]. 1924 , 1970-
- 68,7 .
: (),

[1].

2009

2003 – 2008 . . 3 [2] (. 1).

;)

,)

2009

1 –

2003 – 2008

	2003	2004	2005	2006	2007	2008
, . 3	18,6	19,6	19,9	20,1	20,2	20,6

[3-5].

$$a_0 = \frac{\sum y}{n} = 19,833; a_1 = \frac{\sum yt}{\sum t^2} = 0,1714.$$

171,4 . 3.

[3-5].

$$R^2 = \frac{\sum (Y_t - \bar{y})^2}{\sum (y - \bar{y})^2} = 0,867,$$

$$r = \sqrt{R^2} = \sqrt{0,867} = 0,93,$$

F –

$$F = \frac{\sum (Y_t - \bar{y})^2}{1} : \frac{\sum (y - Y_t)^2}{(n - 2)} = \frac{2,057}{1} : \frac{0,316}{6 - 2} = 26,03.$$

F –

$$1 \quad (n - 2) = 6 - 2 = 4$$

=0,05

$$F = 7,71 [4, 5]. \quad F > F \quad (26,03 > 7,71),$$

$$2009 \quad (t = 7): Y = 21,03 . 3.$$

2009

95 %

$$: 20,43 \leq Y \leq 21,63 . 3.$$

: 1. <http://www.gasunion.org.ua/ru.htm>. 2. <http://www.ukrstat.gov.ua>. 3.

2005. – 580 . 4.

, 2005. – 252 . 5.

« », 2008. – 80 .

, « »

The index of income is considered calculating on one man, as most effective index of stability of enterprise. Growth of this index allows to minimize risks in the conditions of financial crisis and economic nestabil'nosti, to decrease a taxable profit yield and promote the margin of financial safety of enterprise.