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چکیده

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(   )   TPPm

TPPa   .

TPPm

X2   .

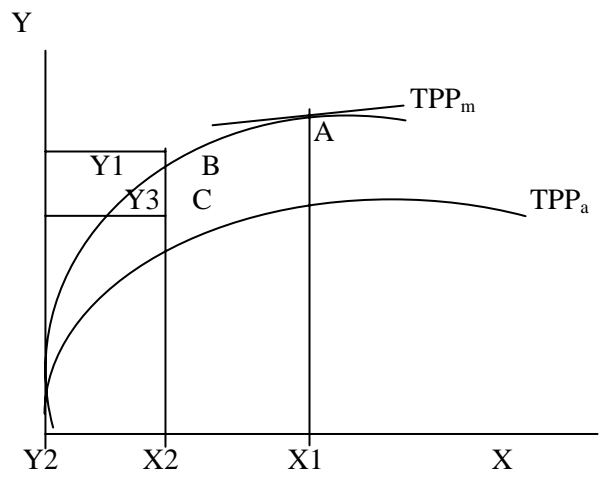   Y2/Y1   Y2   X

                    Y3   .

(VMPx = Px)

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            X   X1   )

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                            :

$$Lny = Lnf(X) - \mu = a + \sum_{i=}^{n} a_i (Lnx_i) - \mu \qquad u \geq \qquad ( )$$

    .   f(x)   u   x

                                              . $y \geq f(x)$

                            :

Y

TPP$_m$

A

Y1   B

Y3   C   TPP$_a$

Y2   X2   X1   X

                                    Farrell, 1957:

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$$y_i = f(X_i, \beta) \exp(\varepsilon_i) \qquad ( )$$

β i X_i i y_i

. ε_i

: ε_i ( )

$$\varepsilon_i = V_i - U_i \qquad\qquad (٣)$$

V

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$[V \sim (0, \delta_V^2)]$. δ_V^2

U

$[U \sim (u, \delta_u^2 u)]$.

    u_i

U

U   .

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$$y_{it}= \exp(X_{it}\beta+V_{it}-U_{it})$$ ( )

K× X y

$N (0, \delta^2_v)$ V_{it} K× β

U_{it} U_{it}

$$U_{it} \sim N(Z_{it} \delta, \delta^2) \quad :$$

Z_{it}:

δ .

(U_{it})

:

$U_{it} = Z_{it}\delta + W_{it}$

W_{it}: δ^2 .

: γ : δ^2_s :

$\gamma = \delta^2/\delta^2_s$ $\delta^2_s = \delta^2_v + \delta^2$

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$TE_{it} = \exp(-U_{it}) = \exp(-Z_{it}\delta - W_{it})$ ( )

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$$LnY=\beta \beta_1 LnLand+\beta_2 LnLabor+\beta_3 LnCapt+(V_i-U_i)$$ ( )

Y:

Land:

Labor:

Capt:

β :

β₁   β₃:

Vᵢ   Uᵢ

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نتایج و بحث

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(U$_i$)

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TARM			
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	/	/	δ
	/	/	δ
	/	/	δ
/	/	/	σ
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β_3 β_1 .

δ δ

δ β .

χ	χ	
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کارایی فنی زراعان بدون وام در شهرستان ایرانشهر

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کارایی فنی بهره‌برداران در شهرستان خاش و سراوان

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مشخص گردید که اختلاف بین میانگین دو گروه در سطح ۵ درصد معنی‌دار نیست
و علی‌رغم بالاتر بودن کارایی وام‌گیرندگان، اختلاف معنی‌داری بین این دو گروه
وجود ندارد.

پیشنهادها

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یاد داشت‌ها

3.Taylor, Drummond and Gomes,1986

4-Sial, 1990

7. Farrell,1957

9. Aigner and Chav, 1986

10. Battese and Coelli, 1993

11. Aigner, Lovell and Schmidt,1977

12. compound error model

13. Ordinary Least Square

14. Maximum Likelihood Estimation

15. Battese and Coelli,1993

16. Pitt and Lee, 1981

17. ibid.

18.-TARM: Traditional Average Response Model

منابع

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