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Suh and Steve, 2005 ; Farber)

(and et al., 2006

(Duffield, 1997)

World Bank,)

(2005

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(Tisdell, 2005)

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Hadker و همکاران (1997)

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:(Hanemann, 1994 Lee and Han, 2002)

$$U(1, Income - Bid; S) + \varepsilon_1 \geq U(0, Income; S) + \varepsilon_0 \quad (1)$$

(CVM)

$$U(Bid, Income - Bid; S) + \varepsilon_1 \geq U(0, Income; S) + \varepsilon_0$$

.(Mitchell and Carson, 1989)

.(Venkatachalam, 2003)

(WTP)

.(Lee and Han, 2002)

$$\Delta U = U(1, Income - Bid; S) - U(0, Income; S) + (\varepsilon_1 - \varepsilon_0) \quad (2)$$

.(Venkatachalam, 2003)

(Bocksteal and McConnell, 2007)

.(Hanemann, 1984)

Marta-Pedroso and et al.,)

.(Greene, 2002)

.(2007)

:(Greene, 2002) ()

(U)

$$P_i(Y = 1) = \frac{1}{1 + \exp(-\beta X)} \quad (3)$$

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$$P_i(Y=1) = \beta X_i$$

P_i

() () i)

($PV_{household}$)

:(Hanemann, 1994)

) () () ($PV_{hectare}$)

:(

$$P_i = F_{\eta}(\Delta U) = \frac{1}{1 + \exp(-\Delta U)}$$

$$= \frac{1}{1 + \exp\{-(\alpha - \beta.Bid + \gamma.Income + \theta.S)\}} \quad (4)$$

$$PV_{household} = E(WTP) \times N_m \quad (8)$$

$$PV_{hectare} = \frac{TPV}{A} \quad (9)$$

$F_{\eta}(\Delta U)$

$\theta \quad \gamma \quad \beta$

$\theta > 0 \quad \gamma > 0 \quad \beta \leq 0$

A

TPV () N_m

Judge)

.(and et al., 1988

(M)

Lee and Han, 2002)

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:(Hanemann, 1994

SHAZAM

$$E(WTP) = \int_0^M F_{\eta}(\Delta U) dBid$$

$$= \int_0^M \left(\frac{1}{1 + \exp\{-(\alpha^* + \beta.Bid)\}} \right) dBid \quad (5)$$

$E(WTP)$

α^*

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(X_{ik})

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:(Judge and et al., 1988)

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$$\frac{\partial P_i}{\partial X_{ik}} = \frac{e^{\Delta U}}{(1 + e^{\Delta U})^2} \beta_k \quad (6)$$

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K

:(Judge and et al., 1988)

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$$\varepsilon_i = \left[\frac{e^{\Delta U}}{(1 + e^{\Delta U})^2} \beta_k \right] \frac{X_{ik}}{P_i} \quad (7)$$

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- 1-Contingent Valuation Method(CVM)
- 2-Ciriacy-Wantrup
- 3-Robert K. Davis
- 4-Willingness To Pay(WTP)
- 5-Utility Difference Model

CVM :

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