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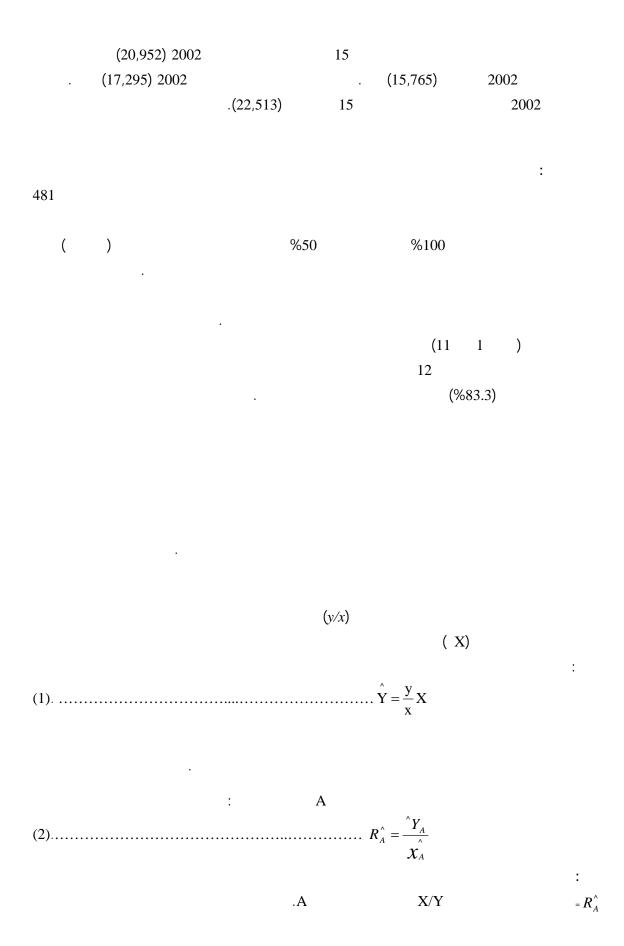
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		•			



$$A X = \hat{X}$$

$$A Y = \hat{Y}_A$$

(Ratios) (Proportions)

. 1 X .

: Y A

(3)
$$V\left(\hat{Y}_{A}\right) = \sum_{h} \left[\frac{n_{h}}{n_{h}-1} \sum_{i=1}^{n_{h}} \left(\hat{Y}_{Ahi} - \frac{\hat{Y}_{Ah}}{n_{h}}\right)^{2}\right]$$

;

$$(4) \qquad \hat{Y}_{Ahi} = \sum_{j \in A} W_{hij} Y_{hij}$$

$$(5) \qquad \hat{Y}_{Ah} = \sum_{i} \sum_{j \in A} W_{hij} Y_{hij}$$

. (3)

(6)
$$V\left(\hat{R}_{A}\right) = \frac{1}{\hat{X}_{A}^{2}} \left[V\left(\hat{Y}_{A}\right) + \hat{R}_{A}^{2} V\left(\hat{X}_{A}\right) - 2 \hat{R}_{A} \quad COV\left(\hat{X}_{A}, \hat{Y}_{A}\right) \right]$$

 $COV\left(\hat{X}_{A}, \hat{Y}_{A}\right) = \sum_{h}^{Dom} \frac{n_{h}}{n_{h} - 1} \sum_{i=1}^{n_{h}} \left(\hat{X}_{Ahi} - \frac{\hat{X}_{Ah}}{n_{h}}\right) \left(\hat{Y}_{Ahi} - \frac{\hat{Y}_{Ah}}{n_{h}}\right)$

 $(3) \qquad \stackrel{\wedge}{V}(Y_A) \stackrel{\wedge}{V(X_A)}$ $\stackrel{\hat{R}}{A} \qquad (1) \qquad \stackrel{\hat{X}_A}{X}$

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Nafitha 4.2 Blaise

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Standard Error

Confidence Interval

.Simple Random Sampling Design

(Complex Design

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Relative Error

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MARITALS

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PWORK	.1	
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EMPSTATS	.1	
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INDUSTRY	.1	
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OCCUPATI	.1	
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