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.(USDA and Economic Research Service, 2005:1)

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.(Weisbrod and Weisbrod, 1997:1)



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(Kotsove and Lingard, 2001)

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$$\bar{x} = \frac{\sum x_i}{N}$$

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$$s = \sqrt{\frac{\sum (x_i - \bar{x})^2}{N}}$$

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$$\bar{y} = \frac{1}{n} \sum_{i=1}^n y_{ij} \quad : (- :)$$

(sdj)

$$sd = \sqrt{\frac{\sum_{i=1}^n (y_i - \bar{y})^2}{n}} \quad :$$

$$Z_{ij} = \frac{y_{ij} - \bar{y}_j}{sd_j} \quad : \quad Z$$

Z . j sdj yj

Zij . ()

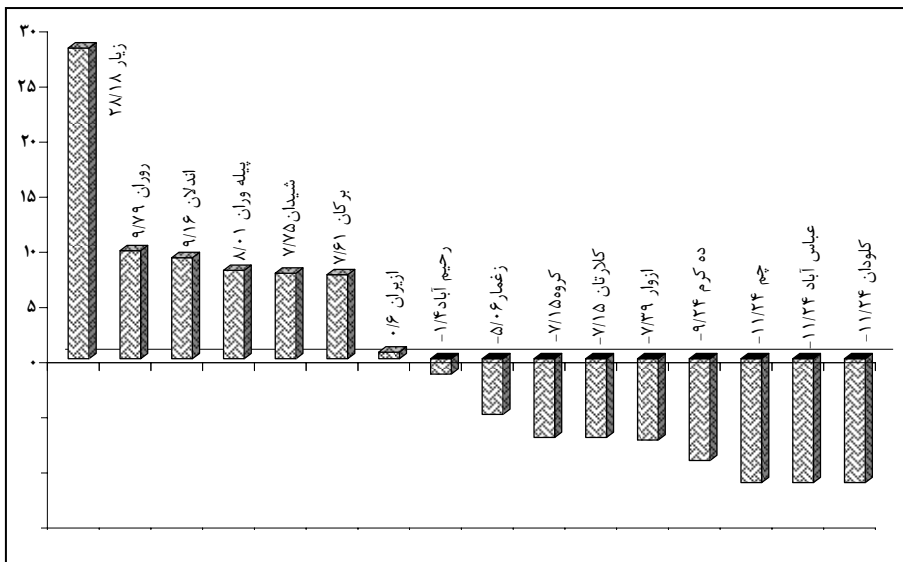
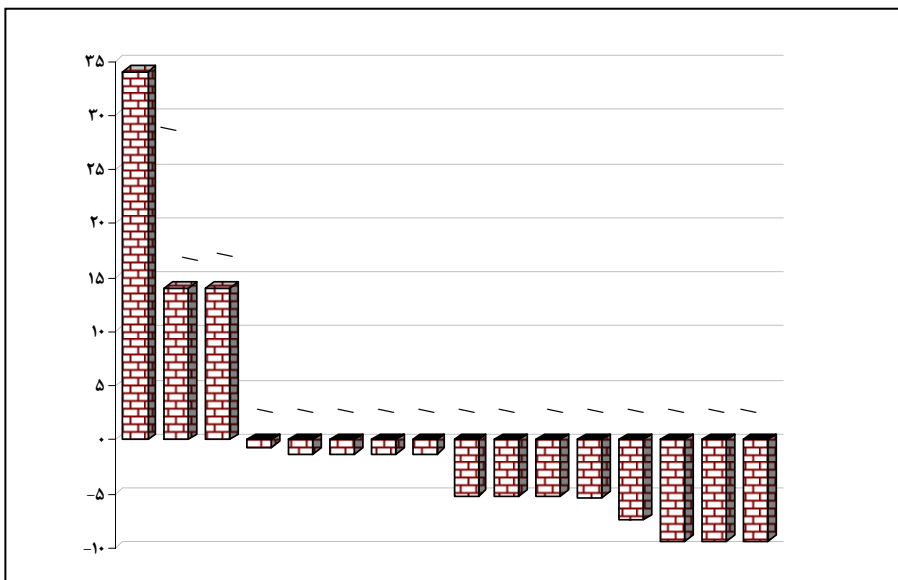
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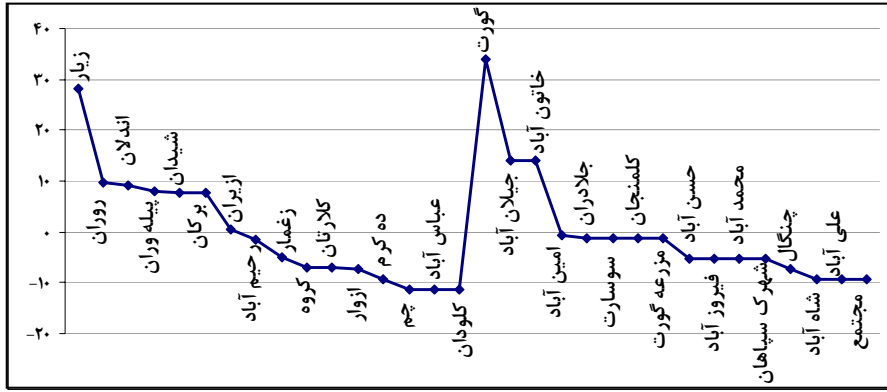
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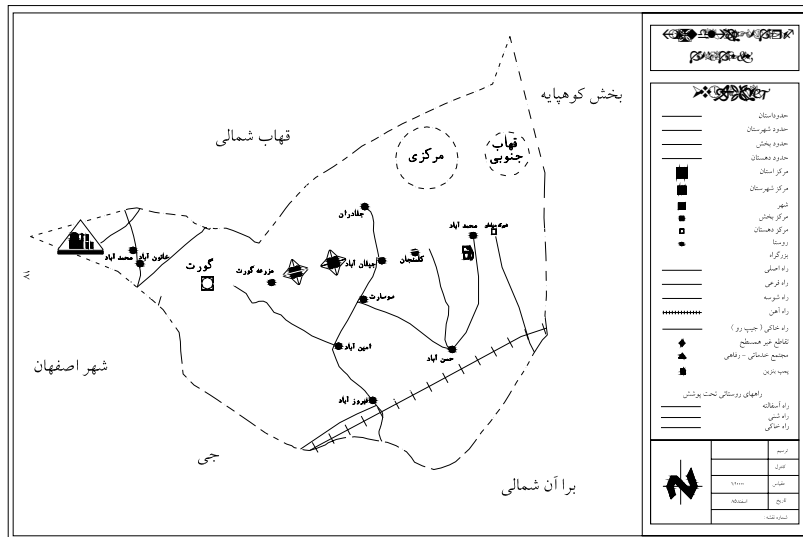
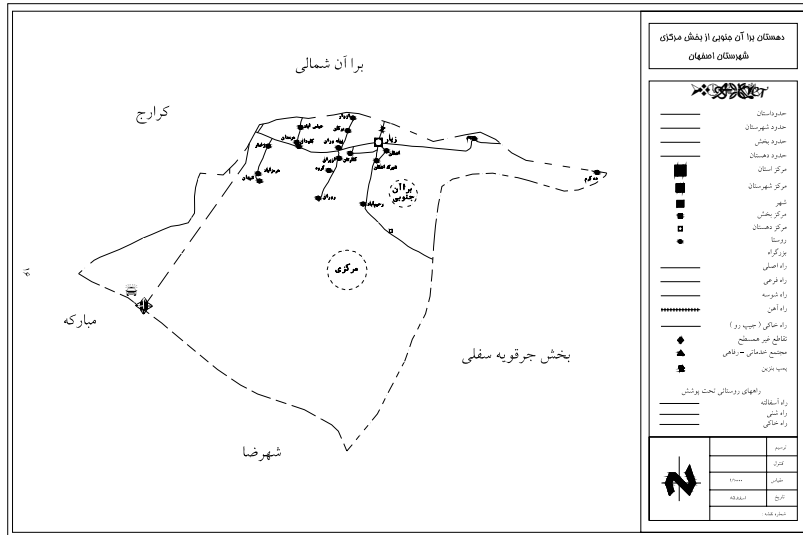


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$$\bar{X} = \frac{\sum x_i}{N} \quad \bar{Y} = \frac{\sum y_i}{N}$$

(C_{xy}) :

$$C_{xy} = \frac{\sum (x_i - \bar{x})(y_i - \bar{y})}{N}$$

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