Where:

$$\hat{\xi} = \sum_{i=1}^{n} \left[\frac{V_i^2 - V_{i+1}^2}{V_1^2} \right] y_i \; ; \; V_i = \sum_{k=i}^{n} w_k ; \; w_k = hw_k \times hs_k ; \text{ and } y_1 \geq y_2 \geq \ldots y_{n-1} \geq y_n$$

$$\hat{\mu} = \frac{\sum_{i=1}^{n} w_i y_i}{\sum_{i=1}^{n} w_i}$$

An index value = 1 indicates that the percentage of the health resource allocated to the state is exactly equal to the percentage of the population in the region; a value < 1 means that the region receives relatively fewer health resources compared to its population size, and a value > 1