

$$G_i^* = \frac{\sum_{j=1}^m \chi_j w_{i,j} - \bar{X} \sum_{j=1}^m w_{i,j}}{S \times \sqrt{\left[m \sum_{j=1}^m w_{i,j}^2 - (\sum_{j=1}^m w_{i,j})^2 \right] / (m-1)}} \quad (1)$$

$$C = \sqrt{\left[1 - \frac{\sum_{i>j,j=2}^n |U_i - U_j|}{\sum_{m=1}^{n-1} m} \right] \times \left(\prod_{i=1}^{n-1} U_i \right)^{\frac{1}{n-1}}} \quad (2)$$