

Measure

Formula

Mutual Information
(MIM)

$$\frac{n_{ab}}{n_a \cdot n_b}$$

Expected Mutual Inf.
(EMIM)

$$n_{ab} \cdot \log \left(N \cdot \frac{n_{ab}}{n_a \cdot n_b} \right)$$

Chi-square
(χ^2)

$$\frac{(n_{ab} - \frac{1}{N} \cdot n_a \cdot n_b)^2}{n_a \cdot n_b}$$

Dice's coefficient
(Dice)

$$\frac{n_{ab}}{n_a + n_b}$$