$$\text{MCC} = \frac{n\left(\sum_{i=1}^{k} n_{ii}\right) - \left(\sum_{i=1}^{k} n_{i.}.n_{.i}\right)}{\sqrt{\left(n^2 - \sum_{i=1}^{k} n_{i.}^2\right)\left(n^2 - \sum_{i=1}^{k} n_{.i}^2\right)}} \in [-1, 1]$$