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Document frequency	$\#(t_k,c_i)$	$P(t_k c_i)$
DIA association factor	$z(t_k,c_i)$	$P(c_i t_k)$
Information gain	$IG(t_k,c_i)$	$\sum_{c \in \{c_i, \overline{c}_i\}} \sum_{t \in \{t_k, \overline{t}_k\}} P(t, c) \cdot \log \frac{P(t, c)}{P(t) \cdot P(c)}$
Mutual information	$MI(t_k, c_i)$	$\log \frac{P(t_k, c_i)}{P(t_k) \cdot P(c_i)}$
Chi-square	$\chi^2(t_k,c_i)$	$\frac{ Tr \cdot [P(t_k, c_i) \cdot P(\overline{t}_k, \overline{c}_i) - P(t_k, \overline{c}_i) \cdot P(\overline{t}_k, c_i)]^2}{P(t_k) \cdot P(\overline{t}_k) \cdot P(c_i) \cdot P(\overline{c}_i)}$
NGL coefficient	$NGL(t_k, c_i)$	$\frac{\sqrt{ Tr } \cdot [P(t_k, c_i) \cdot P(\overline{t}_k, \overline{c}_i) - P(t_k, \overline{c}_i) \cdot P(\overline{t}_k, c_i)}{\sqrt{P(t_k) \cdot P(\overline{t}_k) \cdot P(c_i) \cdot P(\overline{c}_i)}}$
Relevancy score	$RS(t_k, c_i)$	$\log \frac{P(t_k c_i) + d}{P(\bar{t}_k \bar{c}_i) + d}$
Odds Ratio	$OR(t_k, c_i)$	$\frac{P(t_k c_i) \cdot (1 - P(t_k \overline{c}_i))}{(1 - P(t_k c_i)) \cdot P(t_k \overline{c}_i)}$
GSS coefficient	$GSS(t_k, c_i)$	$P(t_k, c_i) \cdot P(\overline{t}_k, \overline{c}_i) - P(t_k, \overline{c}_i) \cdot P(\overline{t}_k, c_i)$



































