4.4 : Measure of dependence

① Cramer's Cont. Coeffi..

$$R_1 = \frac{T}{N(q-1)} \qquad q = \text{smaller}(r \text{ or } c)$$

$$\text{or} = \sqrt{\frac{T}{N(q-1)}} \quad : \text{Cramer's Coefficit}$$

② Pearson Cont. Coeff

$$R_2 = \sqrt{\frac{T}{N+T}} \quad : \text{McNemar}$$

$$R_{2(max)} = \sqrt{\frac{q-1}{q}}$$

③ Pearson Mean Squ. Cont. Co..

$$R_3 = \frac{T}{N}$$

④ Yule & Kendall

$$R_4 = \sqrt{\frac{T}{N\sqrt{(r-1)(c-1)}}}$$

⑤ The Phi Coeficit

a	b
c	d

$$R_5 = \frac{ad-bc}{\sqrt{r_1 r_2 c_1 c_2}}$$

Yule & Kendall

$$R_6 = \frac{ad-bc}{ad+bc}$$

Ives & Gibbon

$$R_7 = \frac{(a+d)-(b+c)}{a+b+c+d}$$