Comparing χ^2

o h....h.a a n.canyd. n.o acho.h

can o a a ond nd n a o o a yo \sqrt{a} aon a n cac a $\frac{h}{v}$ o o on p - f n

Comparing χ^2 tables for separability

o b a o a on z a n o b $2 \times 2 \chi^2$ ay b o d o a y a \hat{p} o o bP and P_2 $ba_{x} \hat{p} F N$ and B co

standard deviation $s_d \equiv \sqrt{p_1 - p_2} = \frac{1}{n_1 + \frac{1}{n_2}}$

n b ca o nd nd n o a on o a on an P and P_2 co d d. n b k n 99 229 y o ba b o d o a p and p_2 no b oyn b o a anc

0	on y h	nn	d	n	d	con d	l d	۱ n		3 _ p
$ p_{2_{-}} d $ nd ca d	0 , , -	and	co)		w_d^+ o	, h	nn	n	va

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a 4 b b co a on o b daan a 3

	shall	will	shall	will	р	p_2	\hat{p}	s^2	χ^2
9 I,	99942 _₹	90							

da a b o an b N co ond nc n a o d and d_2 can b a o o

$$\begin{array}{cccc} d & 2 \\ d_2 & 328 \end{array} \qquad \begin{array}{c} \mathbf{4}^{82} \\ \mathbf{4}^{2} \end{array} \qquad \begin{array}{c} \mathbf{4}^{82} \\ \mathbf{4}^{8} \end{array} \qquad \begin{array}{c} \mathbf{4}^{8} \end{array} \qquad \begin{array}{c} \mathbf{4}^{8} \\ \mathbf{4}^{8} \end{array} \qquad \begin{array}{c} \mathbf{4}^{8} \\ \mathbf{4}^{8} \end{array} \qquad \begin{array}{c} \mathbf{4}^{8} \\ \mathbf{4}^{8} \end{array} \qquad \begin{array}{c} \mathbf{4}^{8} \end{array} \qquad \begin{array}{c} \mathbf{4}^{8} \\ \mathbf{4}^{8} \end{array} \qquad \begin{array}{c} \mathbf{4}^{8} \end{array} \end{array} \qquad \begin{array}{c} \mathbf{4}^{8} \end{array} \qquad \begin{array}{c} \mathbf{4}^{8} \end{array} \end{array} \qquad \begin{array}{c} \mathbf{4}^{8} \end{array} \qquad \begin{array}{c} \mathbf{4}^{8} \end{array} \end{array} \end{array}$$
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hnayh o_raanc oon.

Comparing χ

Comparing

h aon a o ha a d o h $r \times 2$ o h o n y aon χ^2 h a o h z d on X nd do, any n o d o do a 2 3 ay con, a o r a d z co o ach a co o o an aon 2 ao a h o ha, a ady n a h h n h ca h o h a o,

$$\chi_D^2 \equiv \frac{r}{2} \int_{i=1}^{r} \frac{\left(d_{ji} - d_{2j}\right)^2}{s_{ji}^2 + s_{2j}^2}$$
 2.

 $fan ad ay no habo ad o a on <math>\chi^2 y co n$ and h $h \in a$ an $s^2 p p n$ and $d_{\tau} dn y^2 d_{\tau} dy o ca h a on h$ $<math>h z c h = \frac{1}{\tau^2} a a da an h c ca a o \chi^2 h d o do$

6. Heterogeneity χ^2 tests

h. have o dificadono a chadaa o ach i dan o h

cand na na conn ncy a Ta

$$\mathbf{T}_{N} N_{\mu} \hat{p} \qquad \begin{array}{c|c} N \hat{p} \alpha & N \hat{p} & \alpha & N \hat{p} \\ \hline N & \hat{p} & \alpha & N & \hat{p} \alpha \\ \hline N & \hat{p} & \alpha & 2\alpha \hat{p} & N & \hat{p} \\ \hline N & \hat{p} & \alpha & 2\alpha \hat{p} & N \end{array}$$

 $h \alpha$, π 2 By c an o a T_1 and T_2

h co on ac c o c $n \chi^2$ co o o co n od ne conc h z o h co c a o ach o con c n canc h co h co a on yo h o ac

n a oach a ca lobo n'y nd nd nc lo oy a on lo on loco a on o daal hao loca ha hdaanon a a di d n canydi ny han nanoh a Aon an nd nd n bo n'y X daco hd nd nga a and a h on y h aon an nd nd nga a

hy hn h ho oya ad n h a occancica ha, a ady x d x na ca n o chan h d nd n a a ha nc a dd c a d no da a ho co a h ca ho h a ca n h a cond no d oco a o d n o hon yo on a ad n

hond o do c z d nond non h and nc o d nc h d nc a hanacian hn can ay ha h d nc n can h d nc o d nc

8, Acknowledgments

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References

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- and Practice Ca d MA M and Practice Ca d MA M and Lok n 2 The garden of forking paths Co a n y <u>h</u> aco ad an ach n <u>h</u>d <u>hack n d</u> so dac B 2 <u>h</u> a ca o <u>h</u>a <u>k</u> on co n Guardian 9 hd a
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- b k n 99 Handbook of Parametric and Nonparametric Statistical Procedures d on Boca aon CC
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- a A 2 3 z a d b o n and a ca on o χ^2 Journal of Quantitative Linguistics 20 4 3 3 8
- **a** A o to n Detecting direction in interaction evidence London \mathbf{y} y o n \mathbf{b} a A_yaa a <u>cack n h a a a d c n d c on d</u> on B 92 o a n nc h a o cc on and a can nc Journal of
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