



3-way contingency table marginal association + association between 2 v

conditional association > · Simpson's paradox > when the marginal Mantel-Haenszel test randomezzects

REML

(mante ham test (ct, exact=T)) Mutual Independence >

+n var 1+var 2+ var3, data, family = poisson) Joint Independence >7

Conditional Independence Unigorm Association an vars. In Raglu(ca/vaitvarzevars) 12, ...)

## 913=M+01+E11 Intraclass -N=02 N=05 Lme4:: Lmer (response ~ I+(IIre),...)

y = / + α; +ε; α: ~ N(0, 52) &= DZTV-1(4-Xβ)

fixed eggect

Yijk = M+Ti+Vj+Eijk

RLRsim: exactLRT(mod, null mod) RIRSIM! exactRLRT(mod)

parametricbootstrap confint(mod, method = "boot")

best linear unbiosed predictors predictioned, re. form = ~0)

mixederbect

Predict (mod, newdata = df (operator = "a"))

Ime4: boot Mer ()

random eggest

blocks as res

blocks

Imer(response affixed + (1) block)