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Title:

New Cochran–Mantel–Haenszel Results

Abstract:

The Cochran–Mantel–Haenszel (CMH) methodology is a suite of tests applicable to tables of count data. The data are counts of the number of times the ith of t treatments results in an outcome in the hth of c categories on the jth of b blocks or strata. Inference is *conditional* on the treatment and outcome totals on each stratum being known before sighting the data. One important application of the CMH tests is to randomized blocks data when the responses are categorical rather than continuous. Software exists for analyzing CMH data but data entry can be tedious if there are many strata.

I will outline the CMH tests and discuss three projects:

- the convenient calculation of the CMH test statistics
- extensions of the CMH mean scores and correlation tests and
- the development of unconditional analogous to the CMH tests.