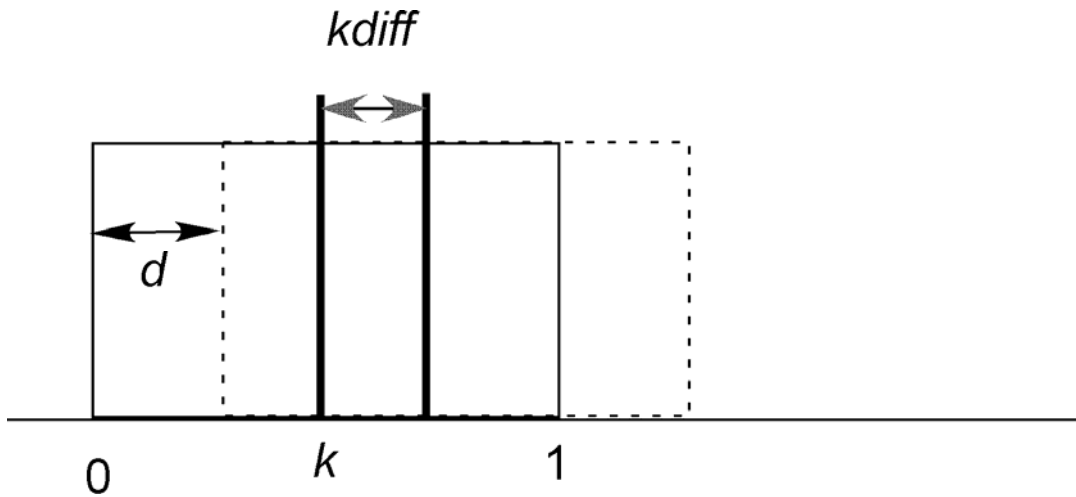


## Rectangular Distributions Type I error rates

**These results are described in a manuscript that should be cited:**

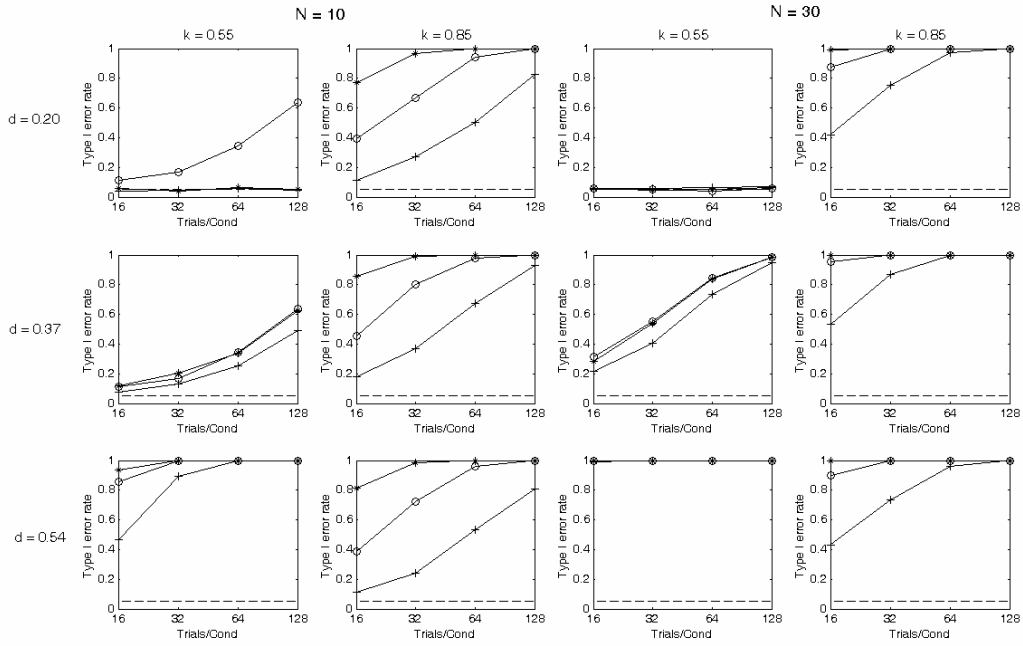
Rotello, C. M., Masson, M. E. J., & Verde, M. F. (in press). Type I error rates and power analyses of single-point sensitivity measures. *Perception & Psychophysics*.

Type I error rate simulations for various single-point sensitivity measures, assuming rectangular distributions. The rows in each figure reflect different distributional offsets ( $d$ ). Within each figure, the left two panels shows results from simulations with 10 subjects; the right panels shows results with 30 simulated subjects. Within each pair panels, the left column shows results when the criterion location,  $k$ , in the liberal condition is 0.55 and the right column shows results when  $k = 0.85$ . Within each panel, the dashed line indicates  $\alpha = .05$  and the solid lines reflect values of  $kdiff$ : Symbols denote  $kdiff = .04$  (plus sign),  $.08$  (open circle), and  $.12$  (asterisk).

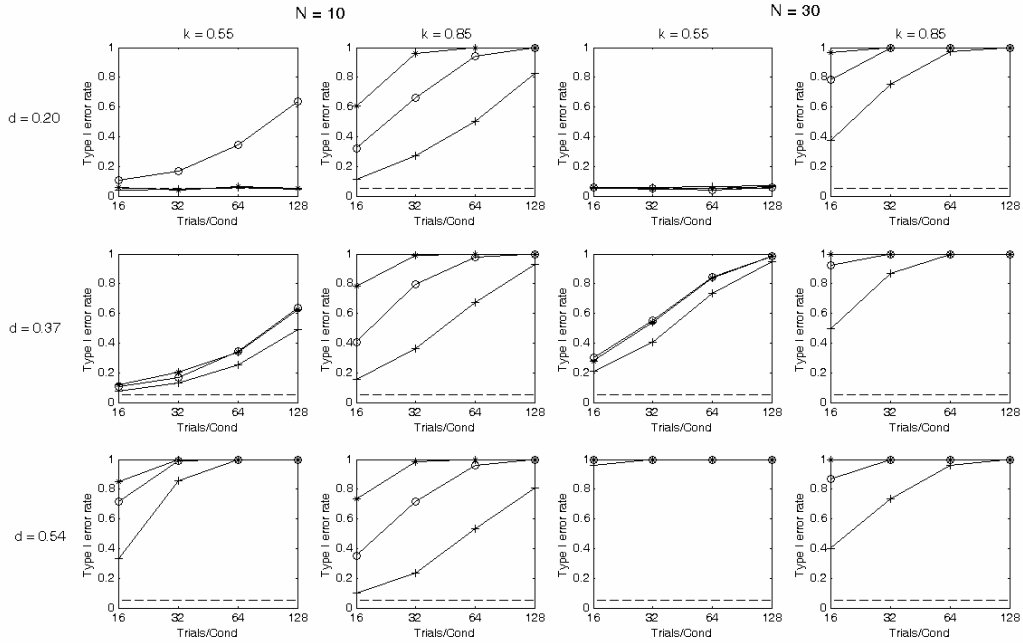


# GAMMA

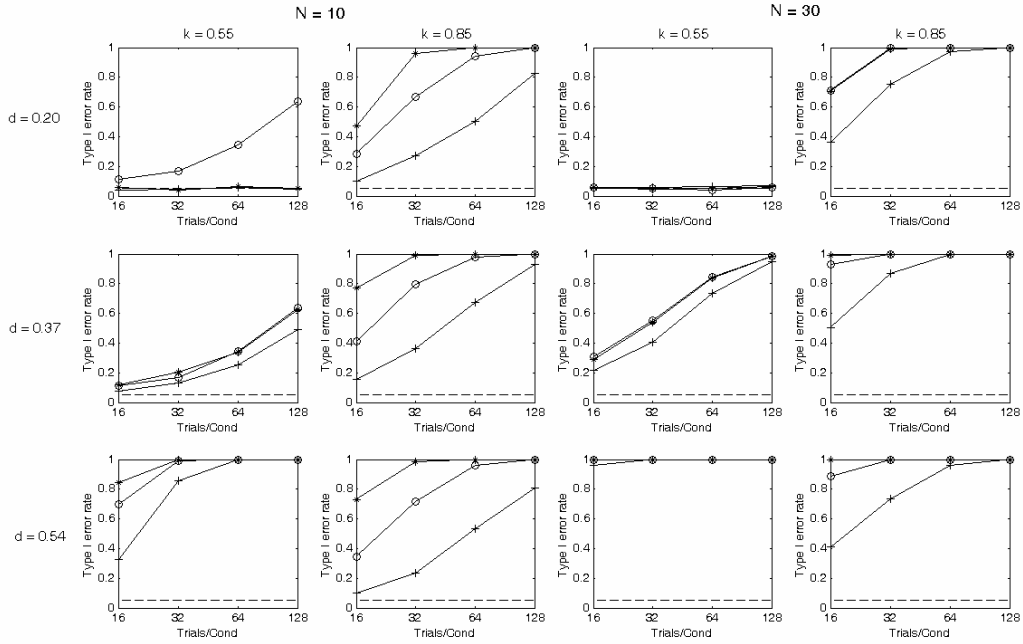
## Raw score method



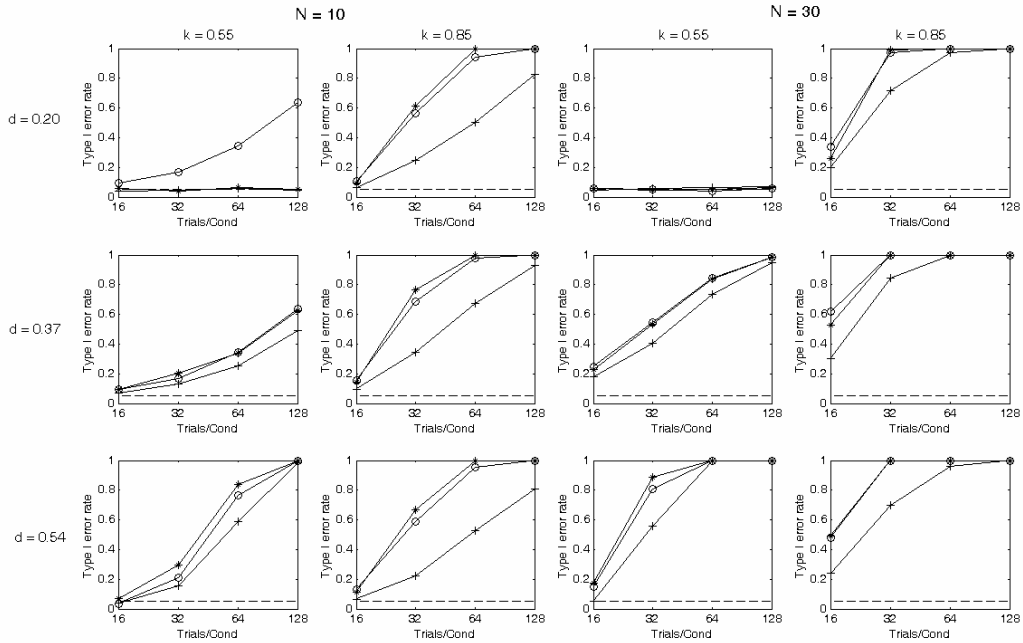
## Loglinear corrected



# Replacement corrected

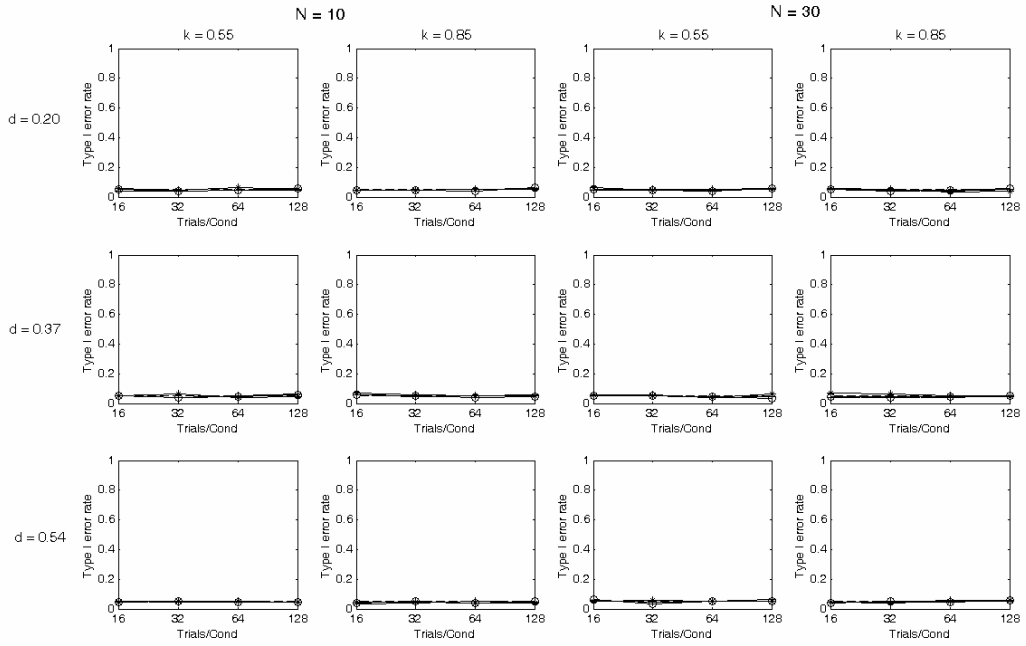


# Dropped case corrected

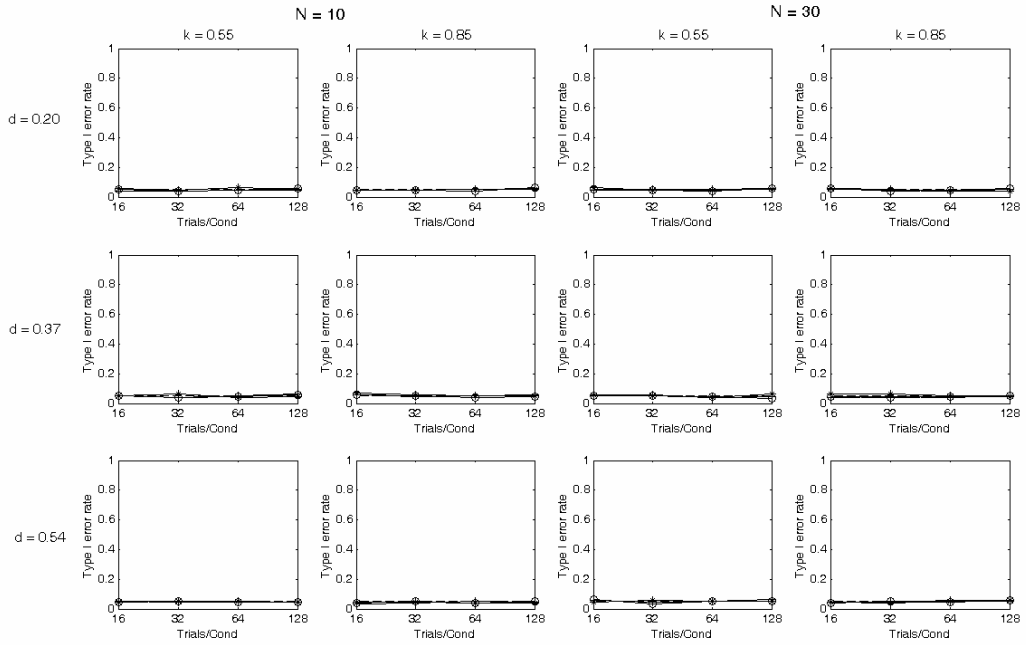


# GAMMA-sub-C

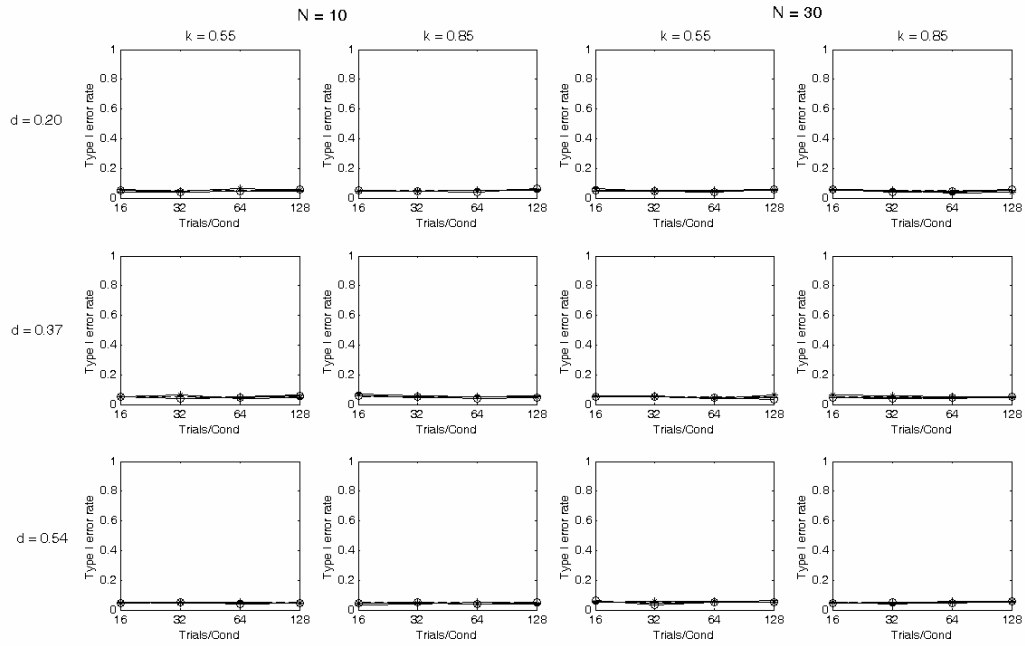
## Raw score method



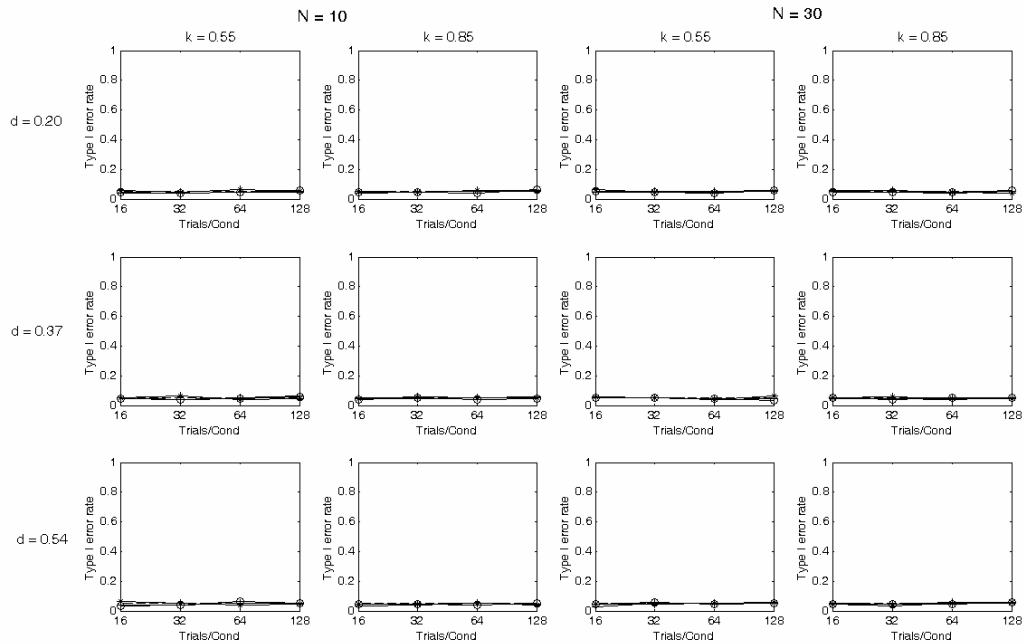
## Loglinear corrected



## Replacement corrected

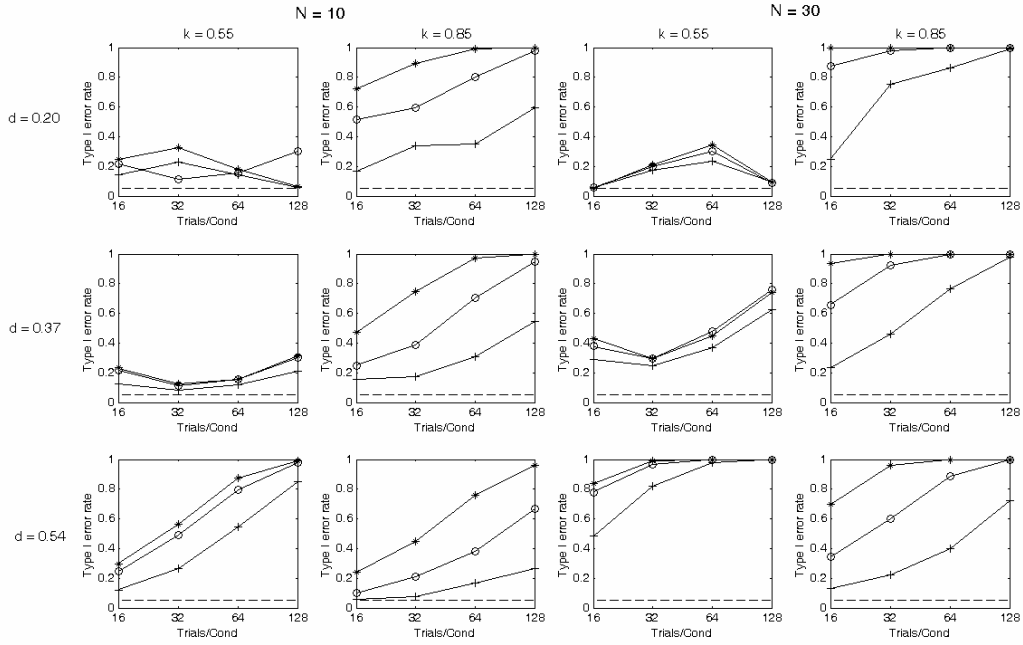


## Dropped Case corrected

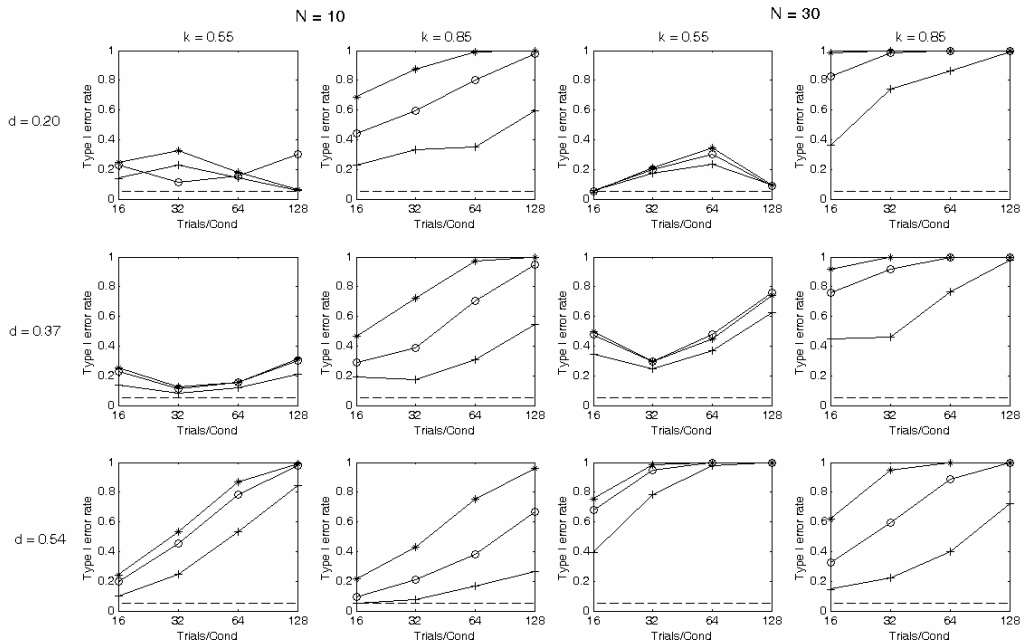


A'

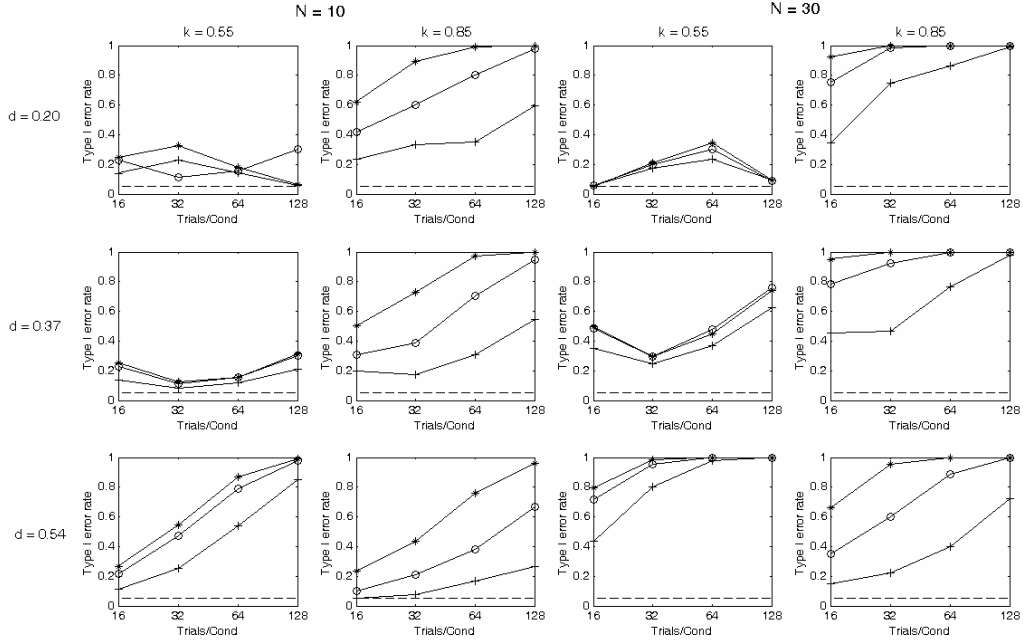
Raw score method



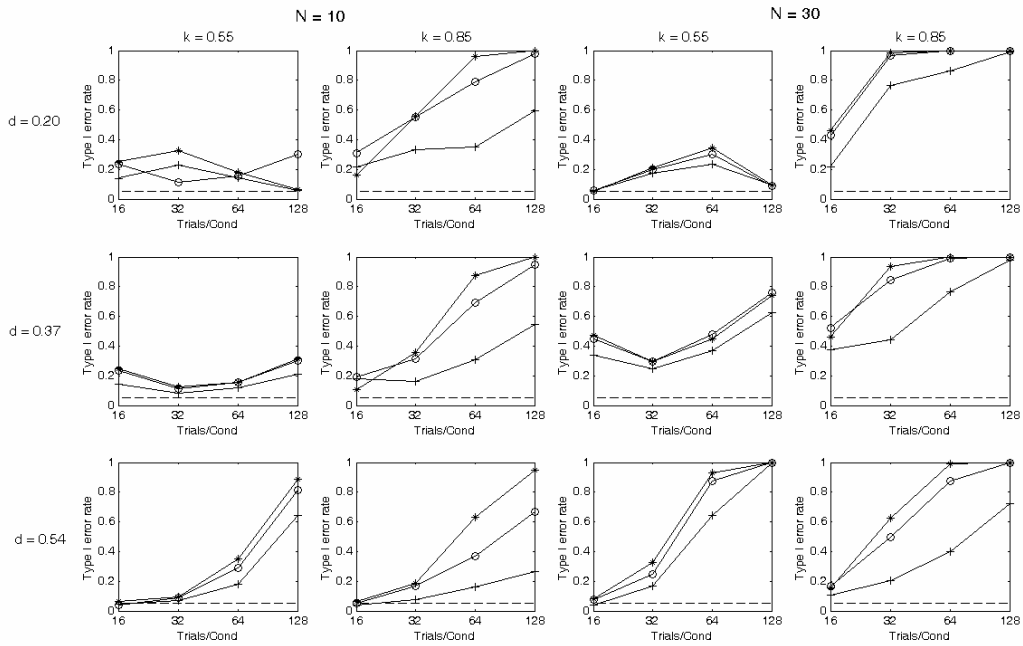
Loglinear corrected



# Replacement corrected

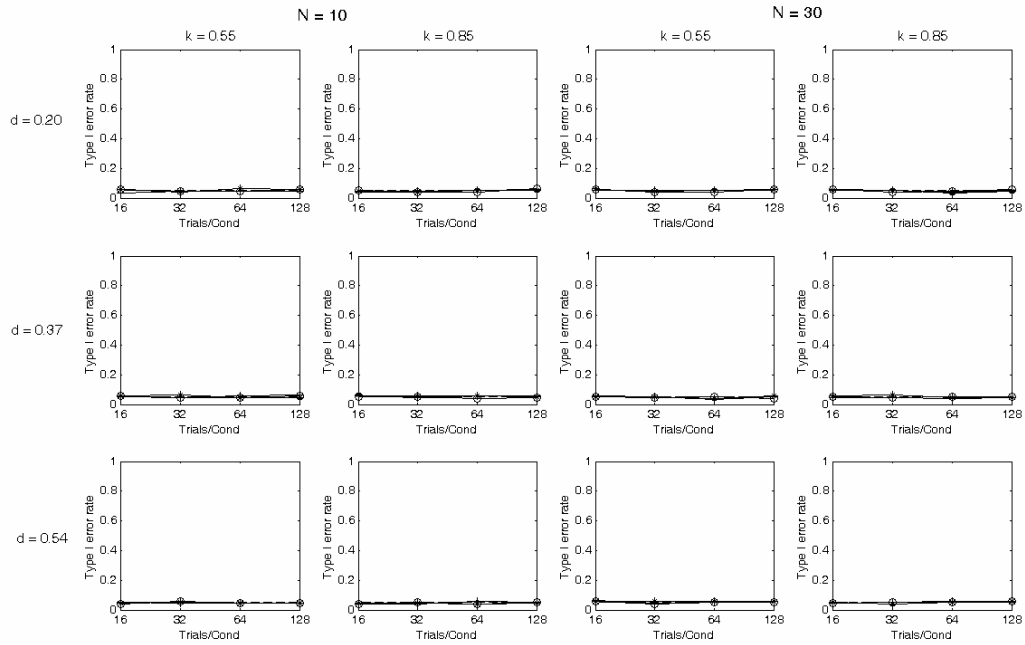


# Dropped Case corrected

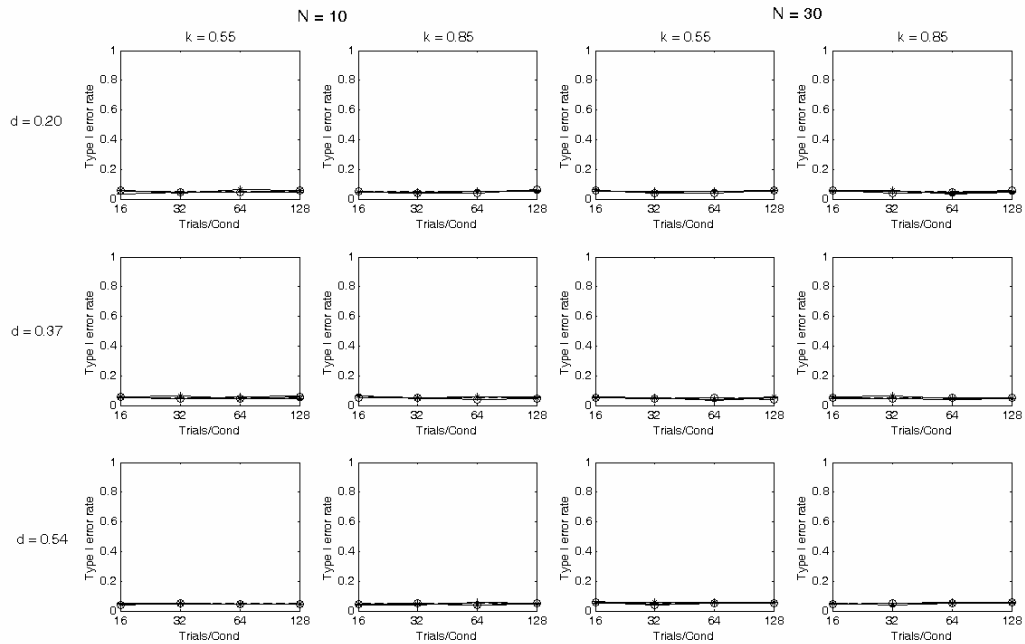


# Percent Correct

## Raw score method

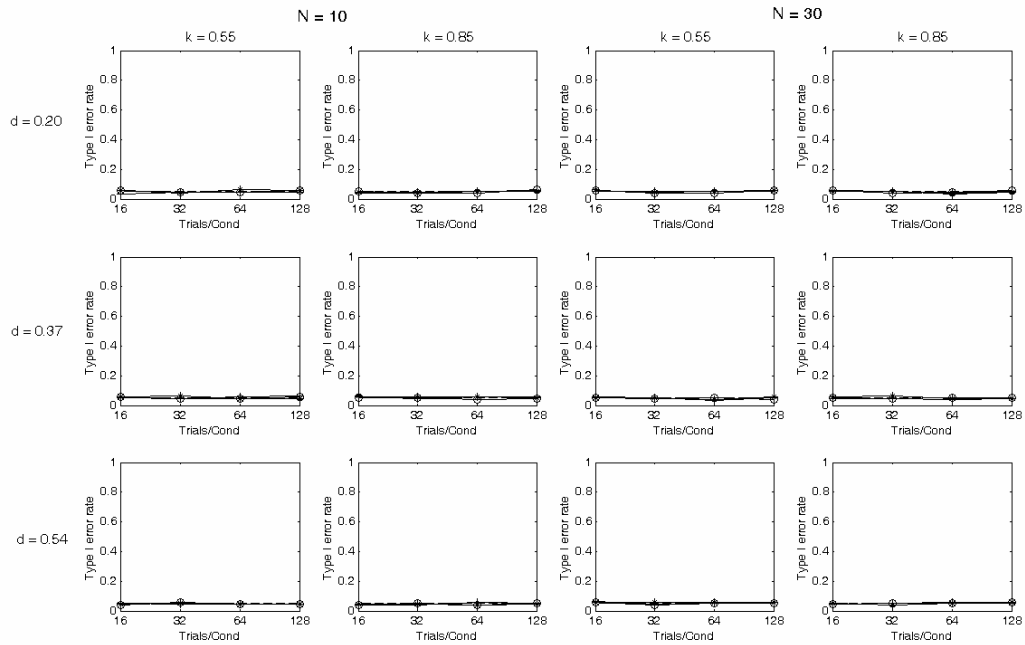


## Loglinear corrected

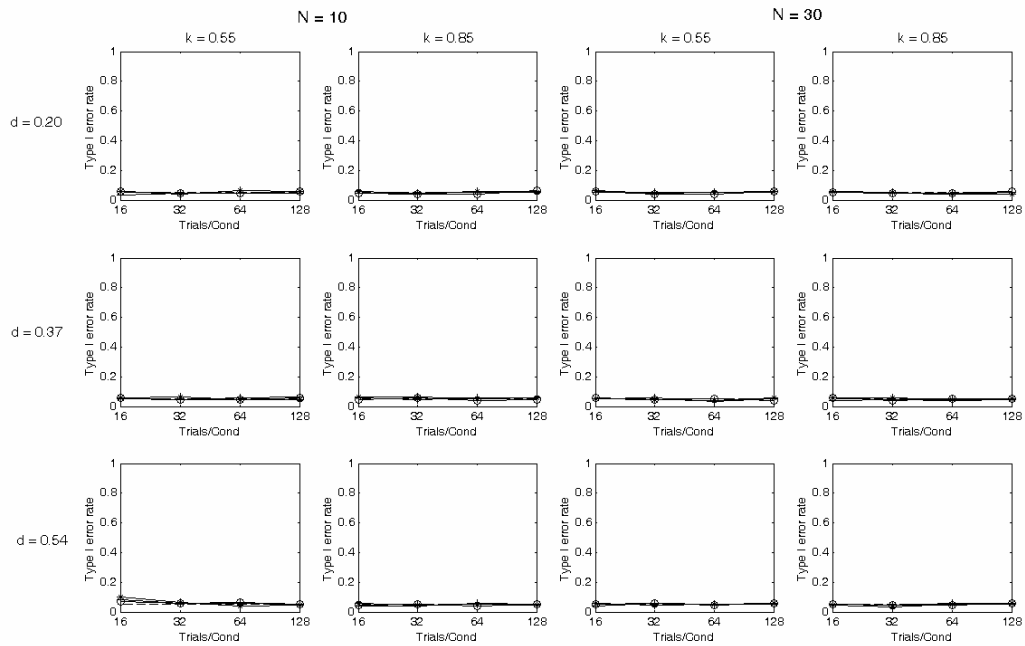




# Replacement corrected

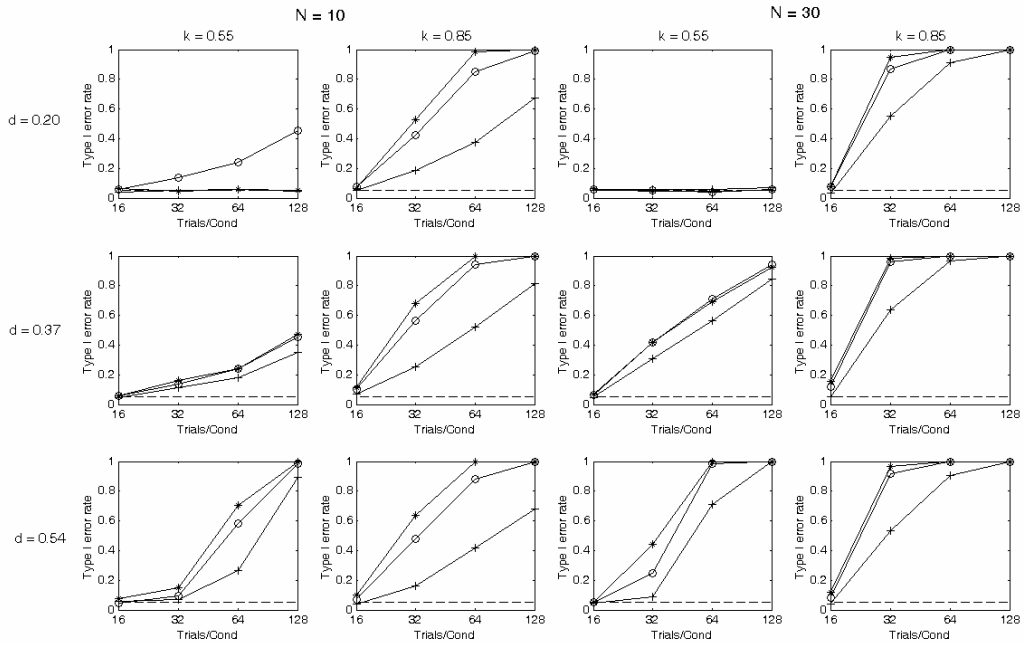


# Dropped Case corrected

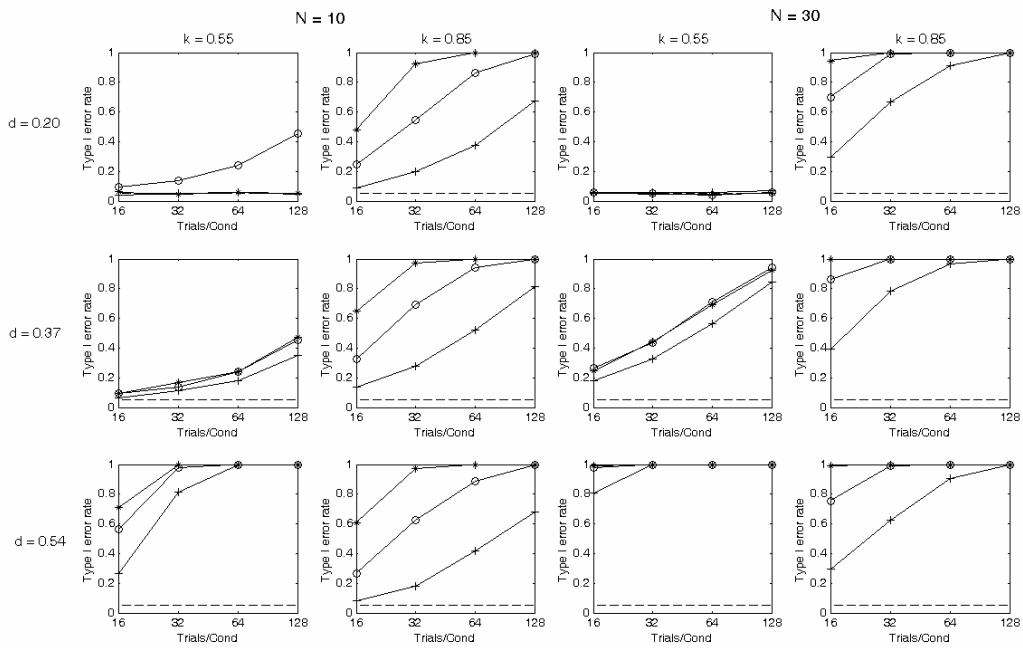


$d'$

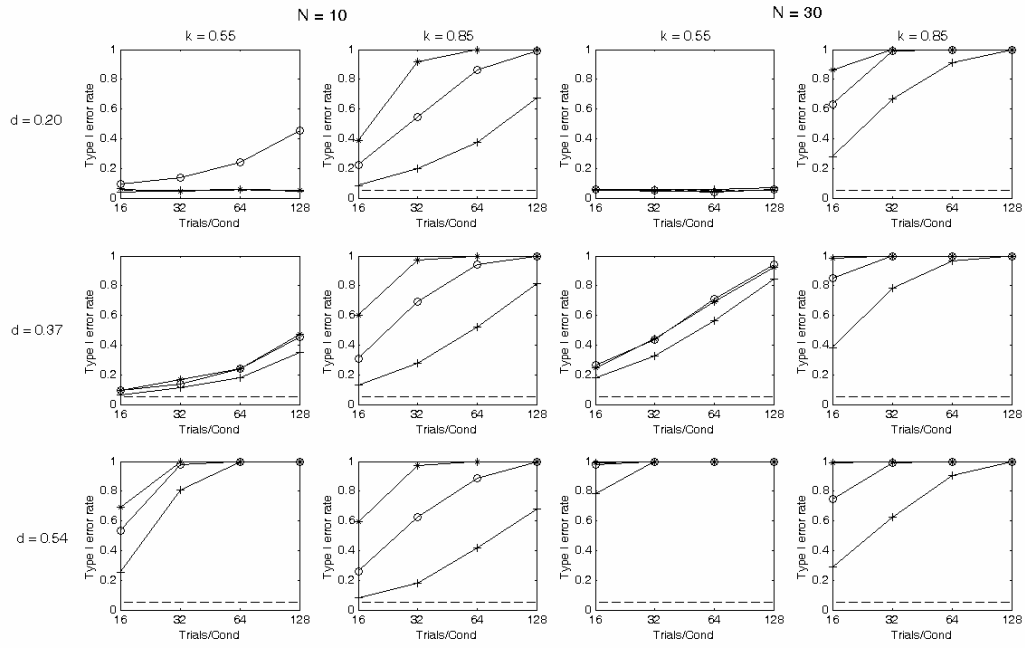
Raw score method



Loglinear corrected



# Replacement corrected



# Dropped Case corrected

