

# Weighted Kappa

## Verified R analysis transcript

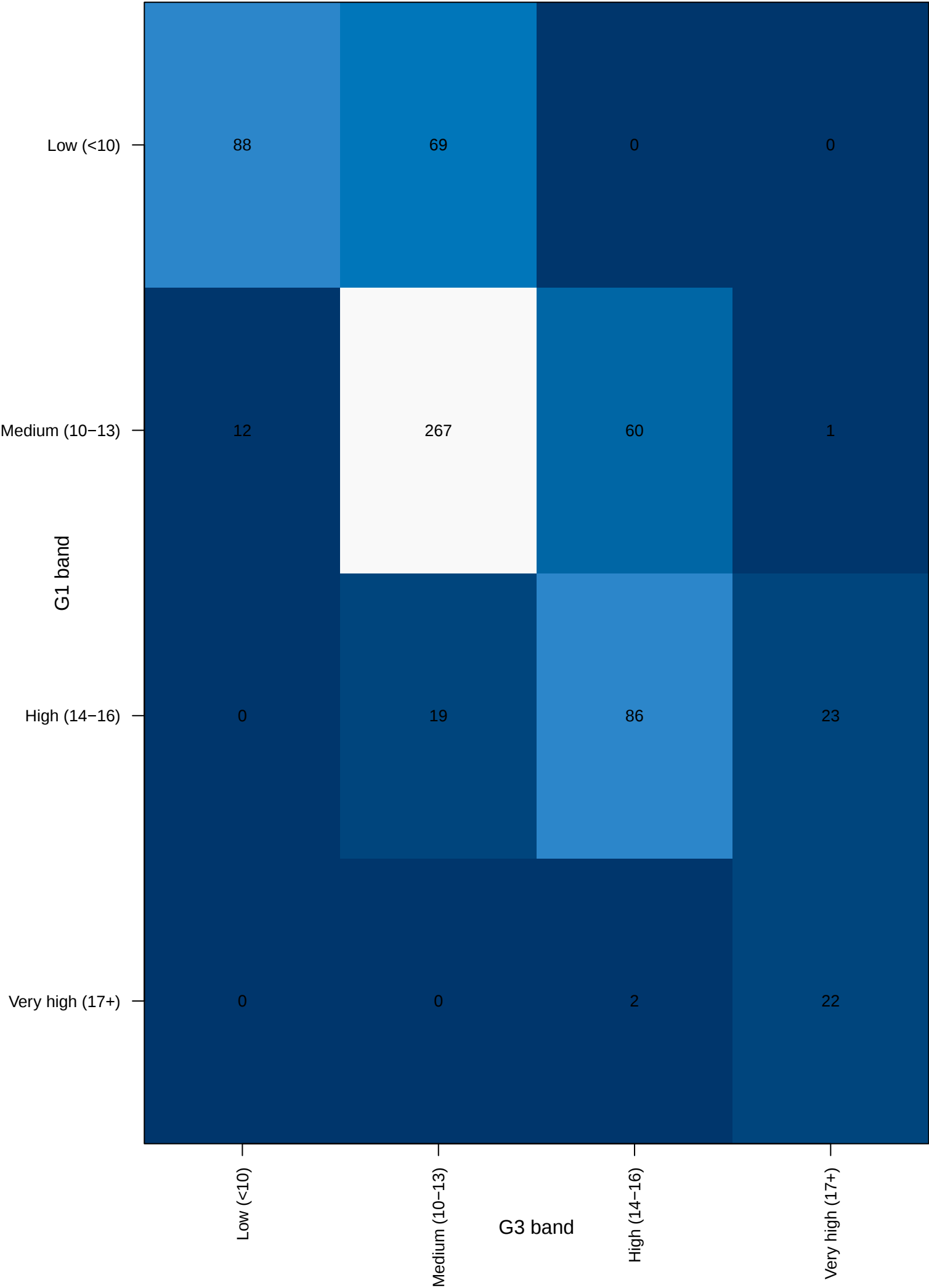
Weighted kappa evaluates ordinal G1-versus-G3 grade-band agreement.

Linear weights increase with category distance; quadratic weights increase with squared distance. Quadratic kappa is primary.

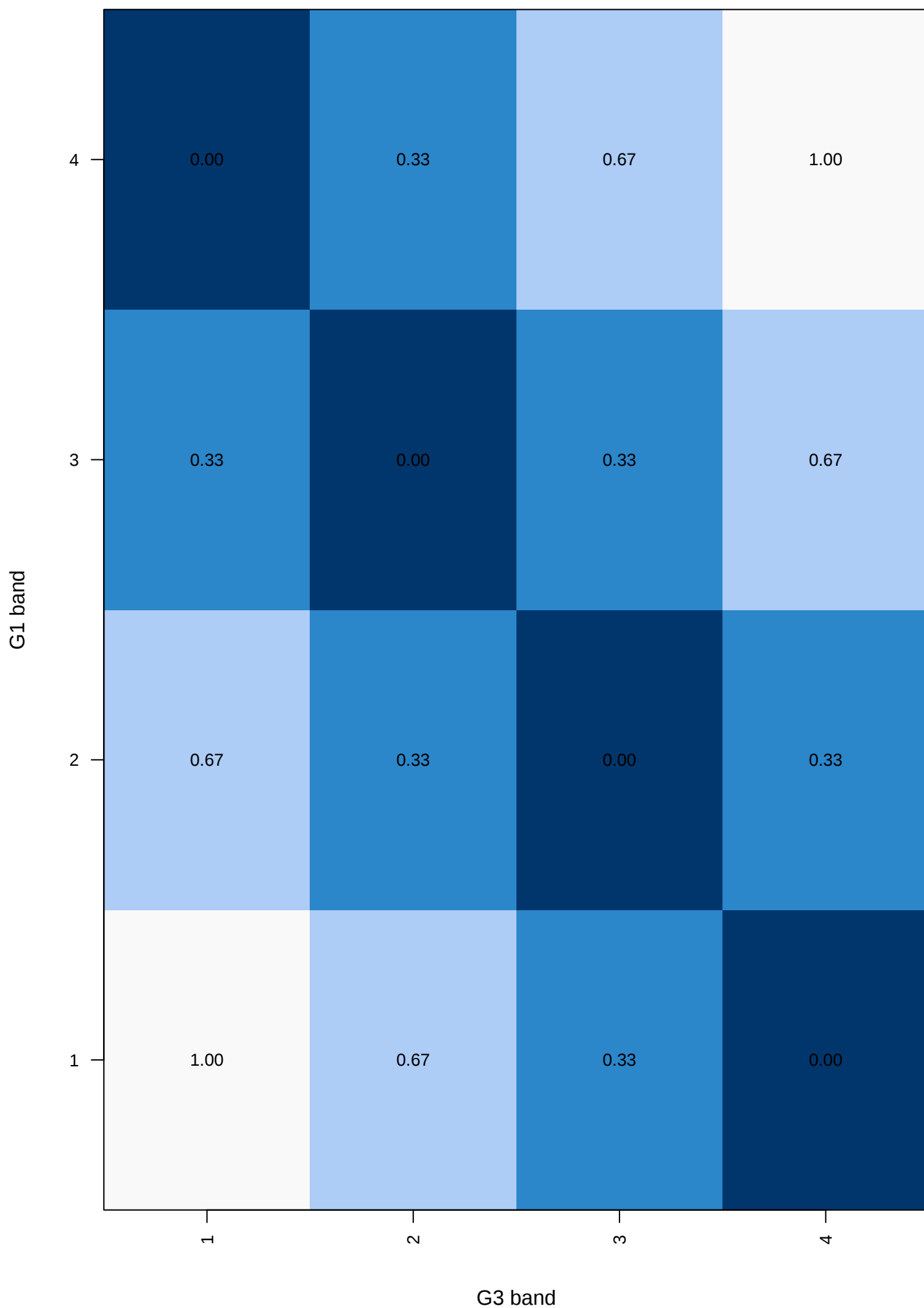
Linear weighted kappa = 0.6473984073; quadratic weighted kappa = 0.765159855.

This distance-sensitive analysis is distinct from nominal Cohen kappa.

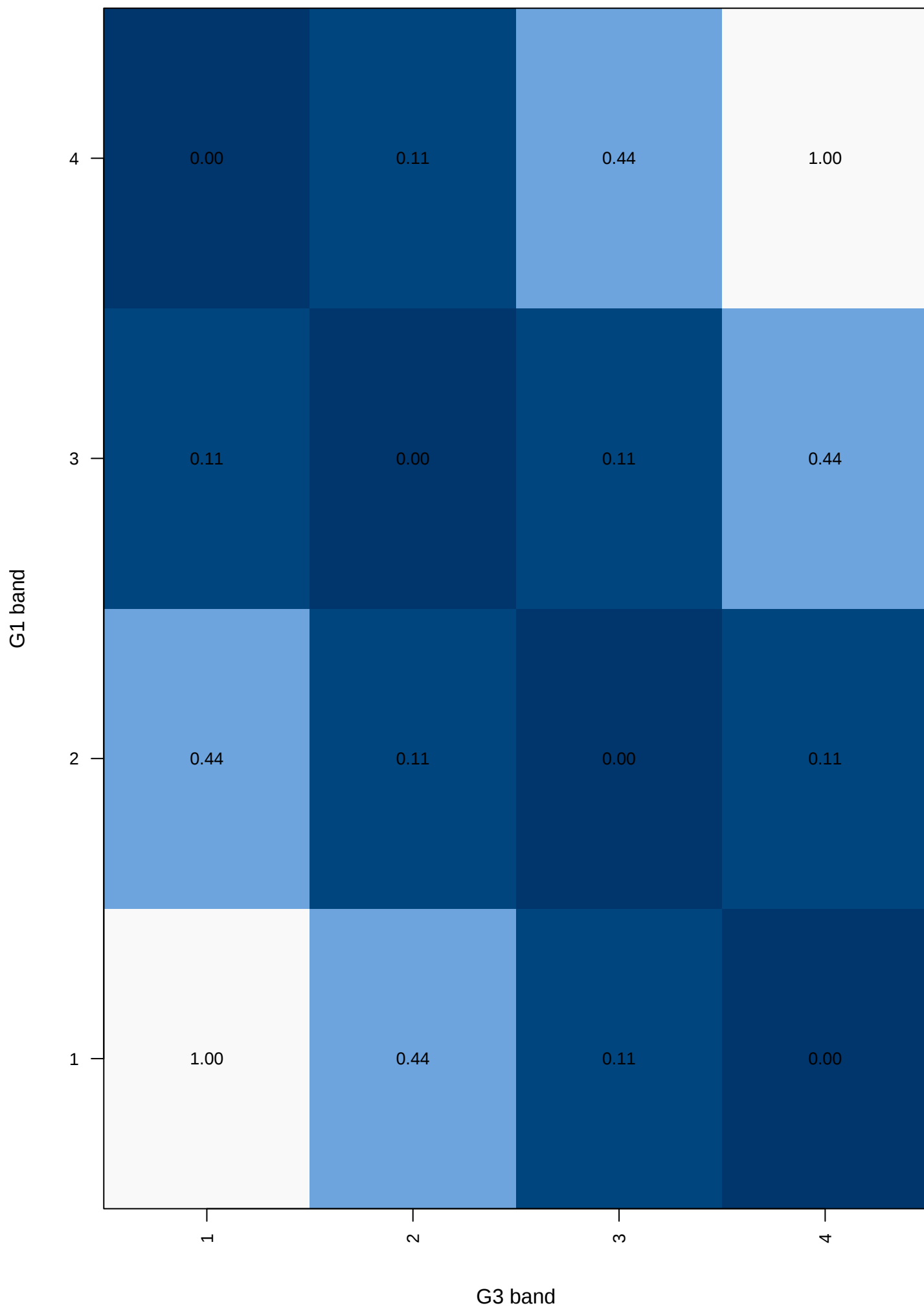
Ordinal G1-by-G3 agreement



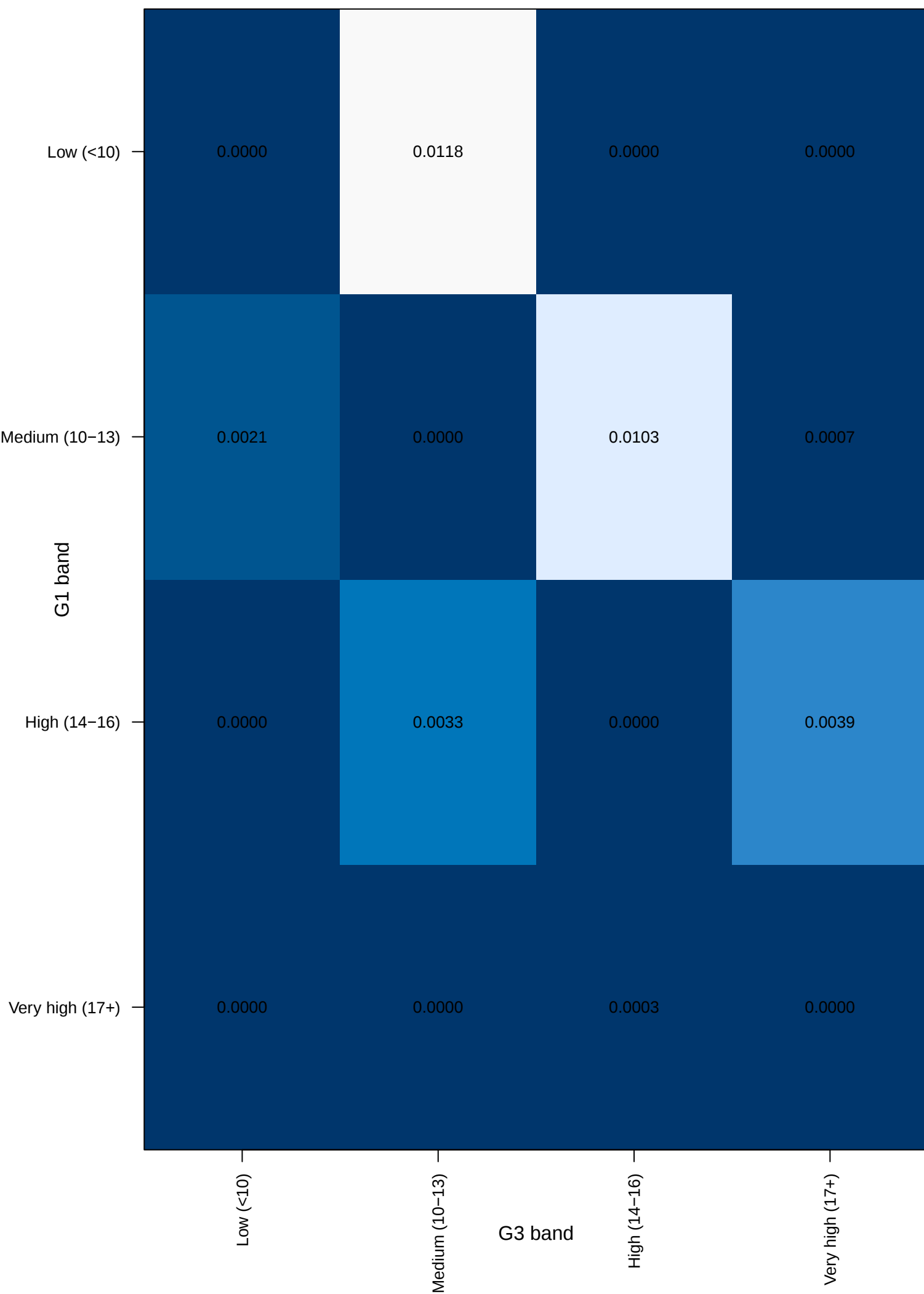
Linear disagreement weights



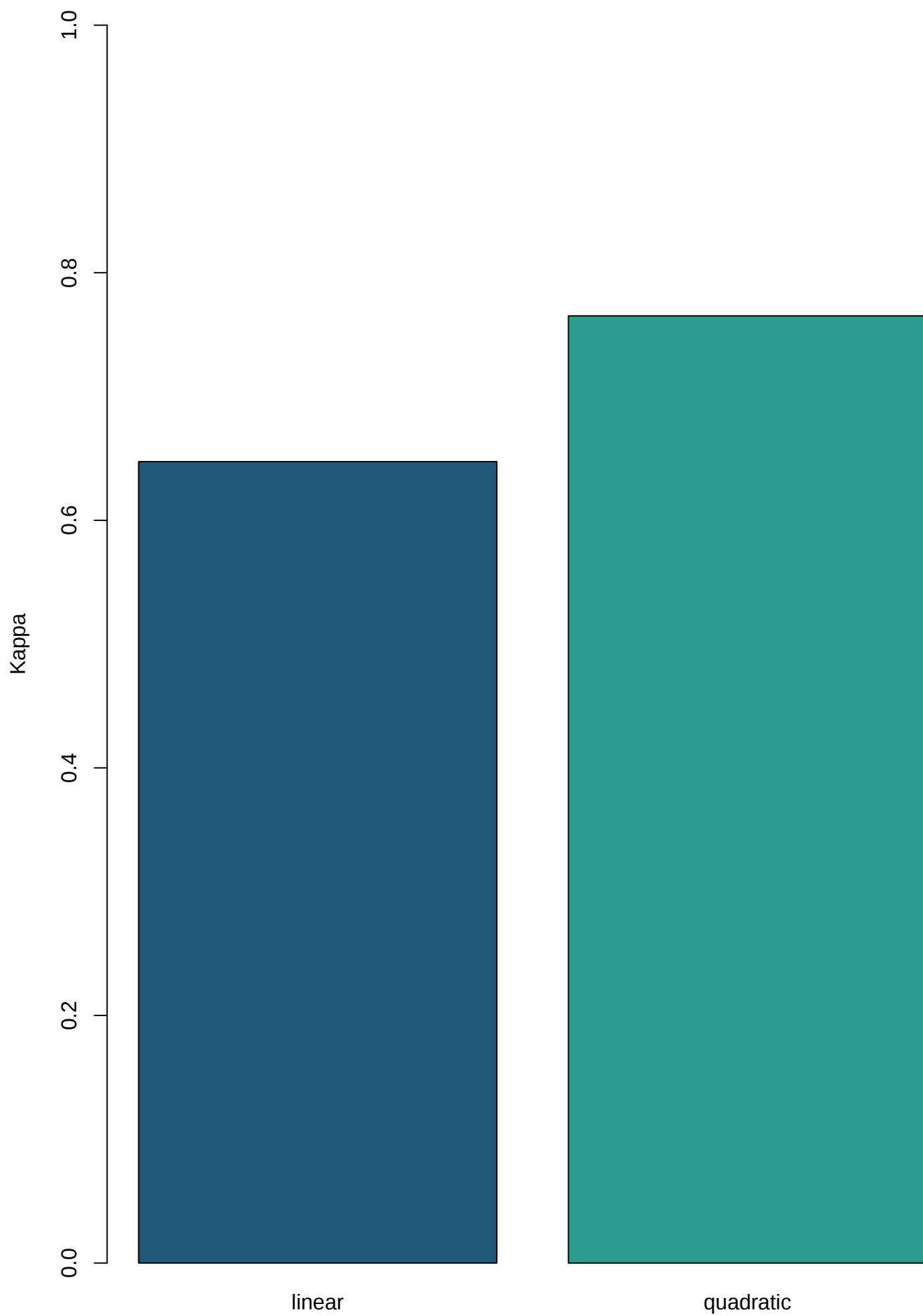
Quadratic disagreement weights



Observed quadratic disagreement contributions



Linear and quadratic weighted kappa



## Weighted Kappa key results

