

# Inter-Rater Agreement

## Cohen's $\kappa$

Two raters

## Fleiss' $\kappa$

Multiple raters

## ICC

Continuous scores

## Krippendorff's

$\alpha$

Any data type

### Kappa Interpretation Scale



$\kappa < 0.20$

Poor agreement

Unacceptable



$\kappa = 0.21-0.40$

Fair agreement

Needs work



$\kappa = 0.41-0.60$

Moderate agreement

Acceptable



$\kappa = 0.61-0.80$

Substantial agreement

Good



$\kappa > 0.80$

Almost perfect

Excellent

Disagreement Detected



Consensus Discussion



Third Expert

Disagreement resolution: Consensus discussion or third expert adjudication