

Determining Inter-Scorer Agreement

Getting accurate student reading results should not depend on who assesses the student. Because no testing is perfectly reliable, we need to know how much different examiners agree. This process of obtaining inter-scorer agreement should be done periodically to ensure that examiners are consistent in administration and scoring.

A simple formula for calculating inter-scorer agreement is:

$$\text{Agreement}/(\text{Agreement} + \text{Disagreement}) \times 100$$

Example: Two examiners score the same student oral reading fluency as 100 WRC and 98 WRC, their inter-scorer agreement would be 98%. This is calculated as follows.

- They agreed that the student read 98 of the words correct.
- They disagreed on 2 words correct.
- Agreements (98)/Agreements + Disagreements (98+2)=98/100 =.98
- .98 x 100 = 98%

Inter-Scorer agreement can be determined for more than 1 pair as follows. Each pair of scores are compared for agreements and disagreements and then entered into the formula.

Example: Three examiners score the same student oral reading fluency as 100 WRC, 98 WRC and 97 WRC, their inter-scorer agreement would be 98%. This is calculated as follows.

- Examiner 1 and 2 agree on 98 WRC and disagree on 2
- Examiner 1 and 3 agree on 97 WRC and disagree on 3
- Examiner 2 and 3 agree on 97 WRC and disagree on 1
- Agreements (98+97+97)/Agreements +Disagreements ((98+2) +(97+3)+(97+1)) =292/298 = .98
- .98 x 100 = 98%

Calculation

Name: _____

Scores and Agreements

Examiner 1 Score _____

Examiner 2 Score _____

Agreements _____

Disagreements _____

Agreements + Disagreements _____

Calculations

Agreements (_____) (Agreements + Disagreement)

(_____) = Agreement Value (_____)

Agreement Value (_____) X 100 = Inter-Scorer

Agreement (_____)%