

SOAR

Student Ordinal Assessment Ranking –or- Simple Ordered Achievement Rank

Description:

SOAR is a percentile value assigned as a growth measure between two points in time, for example, growth between last year and this year. SOAR is the percentile achieved most recently by each student, when compared only to other students of the same prior achievement level.

Method:

Two scores are used for each student in a tested subject, the prior score and the current score.

All students with the same prior score are grouped together. Each grouping contains ONLY students with the same prior score.

The current score for each student is assigned a percentile ranking (1 to 99) within their specific grouping.

Average SOAR for each grouping is 50.

Example:

Johnny scored 340 on his assessment in grade 3 mathematics last year.

1,000 other students also scored 340 in grade 3 mathematics last year.

Johnny's current score in grade 4 mathematics will be compared ONLY to the 1,000 other students who scored 340 in grade 3 mathematics.

Johnny's current score grade 4 mathematics score, 460, is at the 57th percentile within the 1,001 students who scored 340 the prior year.

Johnny's SOAR for grade 4 mathematics is 57.

Notes:

The assessment vendors do not matter. Any two assessments in the same subject can be used as the prior and current scores. The scales used in the assessments do not matter. Students with the same prior score will be grouped. It does not matter if the prior score is 340 or 0.135 or 9999. Each separate prior score will be a separate group. All students with prior score X are compared only to each other this year. The SOAR value is the percentile this year for a student within the group who scored X last year.