Scholarly Research Index (Peer Analysis/Benchmarking)

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Academic Analytics calculates the unit level Scholarly Research Index (SRI) based on the mean SRI scores of individual faculty members within the unit. Thus, the SRI of each unit or other level of aggregation – program, department, broad field, institutions, etc.- is the average of the deduplicated faculty who comprise that unit.

Metrics for Faculty-Based Scholarly Research Index (Default Metrics)

Metrics for the person-based Scholarly Research Index are:

Total Journal Articles
Total Awards
Total Books
Total Book Chapters
Total Citations
Total Conference Proceedings
Total PI Grant Dollars
Total US Patents
Total Clinical Trials

Academic Analytics utilizes a weighting scheme for these metrics, which varies across taxonomic classifications.

Scholarly Research Index (SRI) Methodology Description

The Scholarly Research Index (SRI) is a methodology to provide comparative context for faculty or unit research activity compared to taxonomy peers. This comparison is based on the metrics Academic Analytics collects and maintains for the peer analysis/benchmarking tools.

Person level SRI is a composite score, based on the metrics weighed in the faculty member's unit taxonomic classification. The composite score is displayed on a Z-Score scale, but it is NOT a composite Z-Score. SRI is derived in this manner because the practice of using Z-Scores to identify possible outliers can be misleading, particularly as it relates to variable or small sample sizes. This methodology ensures the SRI is scaled based on the number of faculty in the taxonomy.

Within each taxonomy, Academic Analytics calculates each faculty member's rank on each of the metrics and multiplies each of those metric ranks based on the respective metric weights. Academic Analytics sums the weighted ranks for each person and calculates the Z-Score of the summed weighted ranks for each faculty member within the taxonomy. That Z-Score is displayed as the SRI score in the peer analysis/benchmarking tools.

Scholarly Research Index (SRI) Calculation Steps

1. Calculate the number of faculty in the taxonomy
2. Calculate each faculty member's rank within the taxonomy, for each metric
3. Multiply each metric rank by the metric weight
4. Sum the weighted ranks for each faculty member
5. (Total Weighted Rank - Discipline Total Weighted Rank Mean)/Discipline Total Weighted Rank Standard Deviation = Scholarly Research Index (SRI)