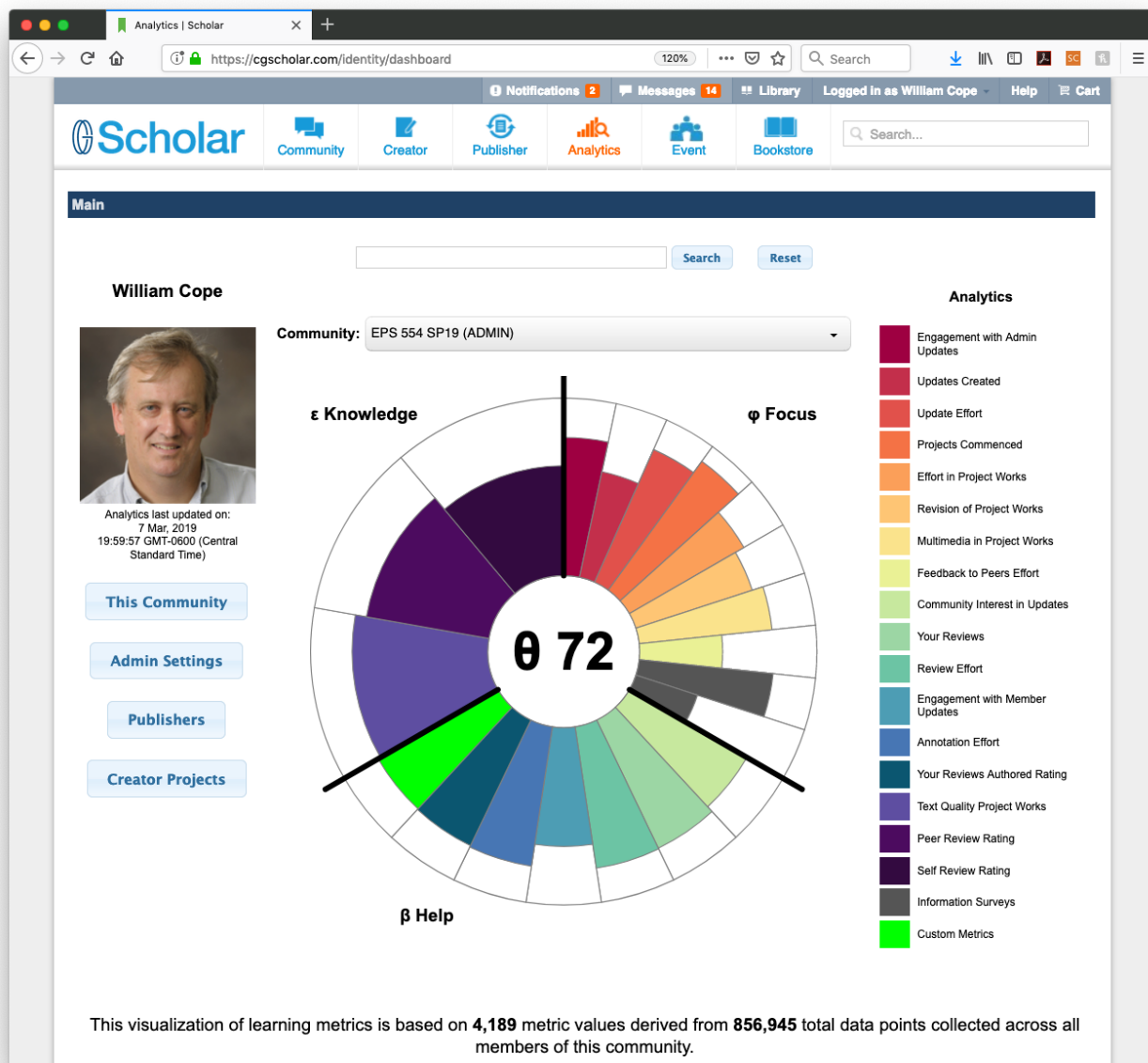# Tutorial 4.2: Knowledge Metrics

4.2.1 Average Text Quality Score Per Work

This metric is calculated as the average text quality score on the last version of your works in the Community/Publisher space (as a percentage of the target value, max is 100%). The text quality (or "text structural complexity") measure is computed as an average of three methods: Flesch-Kincaid, Coleman-Liau, and Automated Readability Index. The scores produced by these methods are an approximate representation of the US school grade level needed to comprehend the target text. This metric score is the percentage of this value relative to the target value capped at 100%.

4.2.2 Average Peer Review Percentage Score Received

This metric score is calculated as the average over all of percent scores received on reviews of

your works by your peers (as a percentage of the target value, max is 100%). The percent score for a peer review is the total of points you received from the reviewer for all rubric items as a percentage of the maximum possible.

4.2.3 Average Self Review Percentage Score Received

This metric score is calculated as the average over all of percent scores received on self-reviews of your works (as a percentage of the target value, max is 100%). The percent score for a self-review is the total of points you received from the reviewer (you) for all rubric items as a percentage of the maximum possible.

4.2.4 Average Instructor Review Percentage Score Received

This metric score is calculated as the average over all of percent scores received on instructor (administrator) reviews of your works (as a percentage of the target value, max is 100%). The percent score for an instructor review is the total of points you received from the reviewer for all rubric items as a percentage of the maximum possible.

4.2.5 Knowledge Survey Percentage Correct Score

There could be multiple occurrences of these petals, one for each survey created and deployed from CGScholar's Survey app. Knowledge surveys are scored like quizzes. Each survey item has a correct answer and your total score is the percentage of correct answers. The percentage of this total score relative to the target value of the metric will produces the score for this metric.

4.2.6 Custom Metrics

Custom metrics are petals that are added by an administrator. They can appear in any section of the aster plot. Administrators are responsible for hand coding the scores for these petals (or they can be imported from external applications). Administrators can also provide feedback to each student along with their scores. These metrics are used primarily for activities external to CGScholar, or to link with external applications.