Topical: Extending Sci2 by adding Plugins

Backbone Identification

Algorithm Comparison

Exemplary Visualizations

Download, Install, and Visualize Data with Sci2

Week 1

Week 2

Week 3

Week 4

Week 5

Week 14

Welcome

MOOCViz, when completed, will allow analytic and visualization scripts for MOOC data analyses to be created. MOOCViz activity entails developing a set of templates and support for software sharing see Figure 6. MOOCViz is currently available at http://moocdbfeaturediscovery.csail.mit.edu/

A

B

C

D

Figure 1. Screenshot of typical student view in 6.002x.

Figure 2. Activity histogram for 6.002x. The horizontal axis represents the number of days since the first day of the course. The relative height of each bar is proportional to the number of actions on that day. The average number of actions per day is 23.5. Black bars represent questions, green bars represent discussion forums, red bars represent video views, and blue bars represent other actions. The horizontal dashed line represents the number of actions needed to complete a course.

Figure 3. Frequency of accesses. The x-axis represents the number of accesses, and the y-axis represents the percentage of accesses. The black line represents the percentage of accesses per day, and the green line represents the percentage of accesses per week. The blue line represents the percentage of accesses per month. The red line represents the percentage of accesses per year. The orange line represents the percentage of accesses per decade. The purple line represents the percentage of accesses per century. The green dashed line represents the percentage of accesses per millennium. The blue dashed line represents the percentage of accesses per millennium.

Figure 4. Question number distribution. The x-axis represents the question number, and the y-axis represents the number of students who answered the question. The black line represents the question number distribution, and the green line represents the number of students who answered the question.

Figure 5. Network visualization. The x-axis represents the number of actions per day, and the y-axis represents the number of days relative to badge win. The black line represents the number of actions per day, and the green line represents the number of days relative to badge win.