

1096-97-1631 **Mika K Seppala*** (mika.seppala@myweps.com). *Student Profiling and Mathematical Models for MOOCs.*

Massive Open Online Courses collect lots of student log data. This can be used to support students in an way not seen before. Mining the log data, the WEPS online service (myweps.com) develops study path suggestions to help students to succeed. This is especially effective in online courses, whose resources are rich enough to support multiple learning styles.

The myweps.com educational log data mining is based on modeling MOOCs as Riemann surfaces. This mathematical view on MOOCs, combined with student profiling, allows us to mine the log data in an effective way. The study path suggestions are not based on personal views of instructors, but rather on the objective data of the successes and failures of students, and on the detailed understanding of their learning styles. (Received September 16, 2013)