Curriculum Pacing: A New Approach to Discover Instructional Practices in Classrooms

ITS 2018 Best Short Paper

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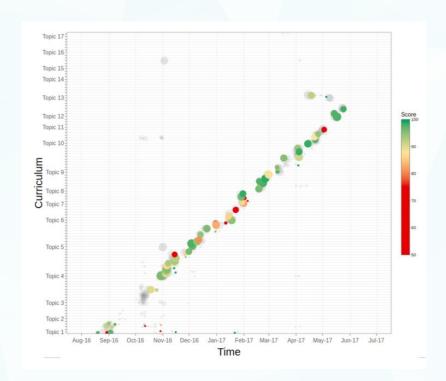
Curriculum Pacing

How do students 'pace through' a curriculum?

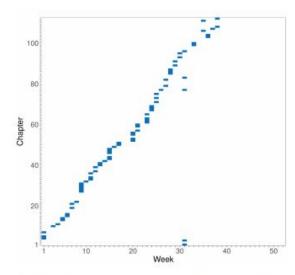
A big deal in K-12, teachers have pacing guides that they try to follow

There are variations in classroom pacings that are interesting to see

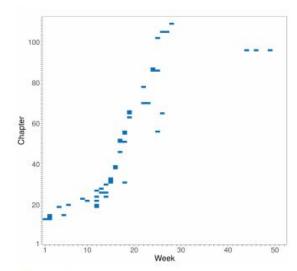
Possible that variations are linked with outcomes



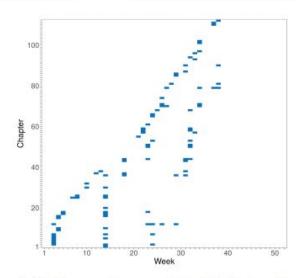
Examples



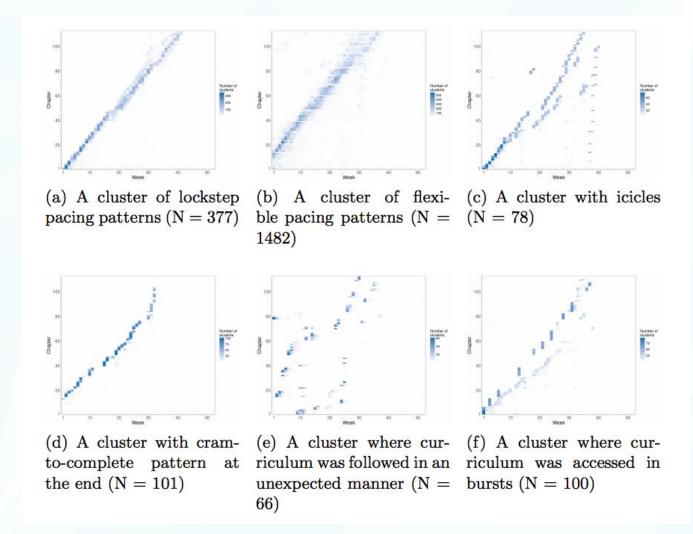
(a) A pacing where the curriculum is covered in a linear fashion



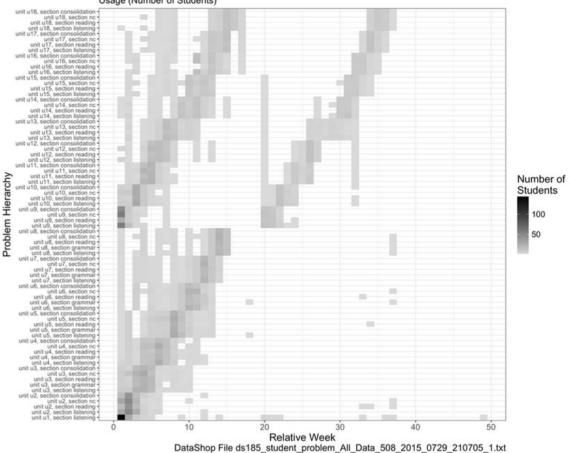
(b) An accelerated pac- (c) A pacing with "icicles" is covered quickly during revisited middle of the year



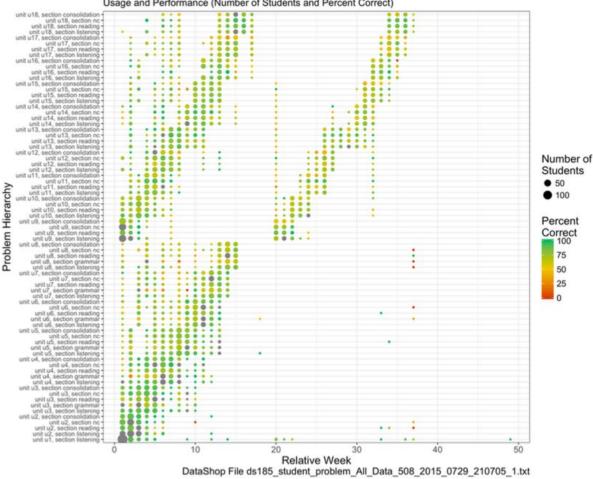
ing where the curriculum where the older content is



Curriculum Pacing for Elementary Chinese course Usage (Number of Students)



Curriculum Pacing for Elementary Chinese course Usage and Performance (Number of Students and Percent Correct)



Code

Please find the code of the visualization here:

https://github.com/nirmalpatel/edviz-2019