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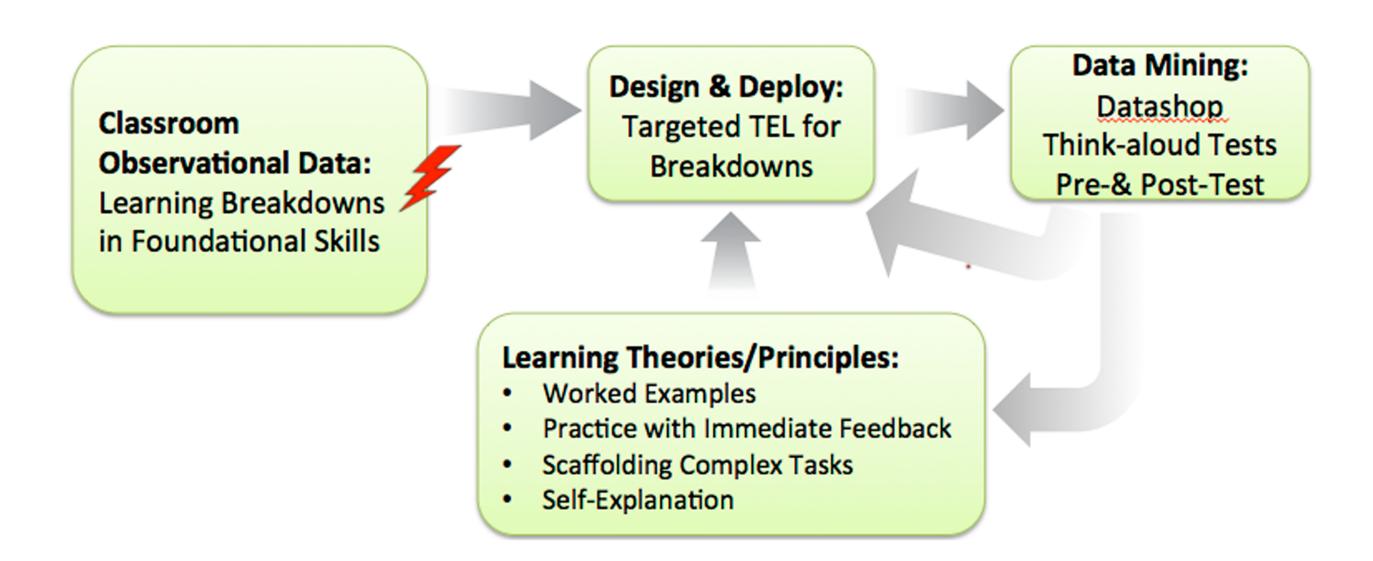
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An OLI-based Tutor for Teaching Prose Style

Objective: Provide students with enough opportunities for goal-directed *practice* and timely, detailed *feedback* for students to achieve *mastery* of a foundational writing skill

Project Design



Lessons Learned

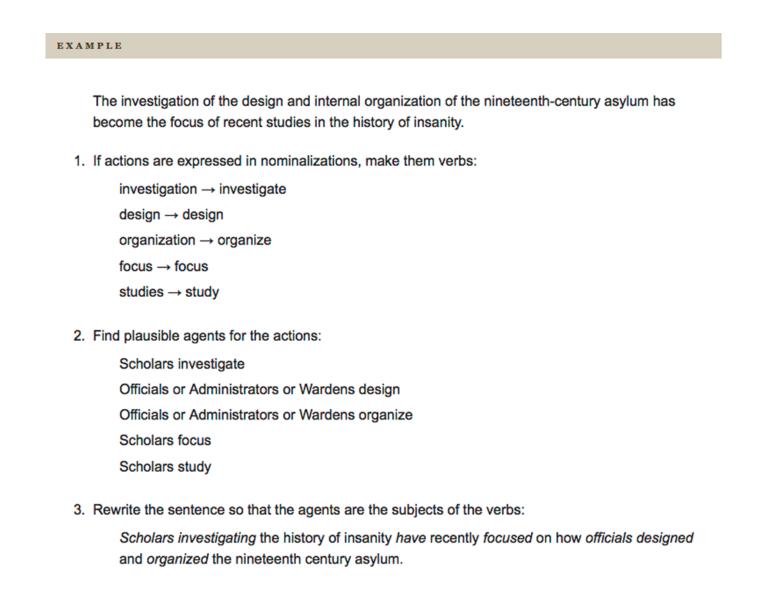
We built the Prose Style Tutor—implemented in OLI--in response to the challenge of providing students with enough opportunities for goal-directed practice and timely, detailed feedback. The tutor employs worked examples, scaffolding for complex tasks, feedback and self-explanation activities designed to help students make relevant discriminations and take specific actions to achieve goals. We have collected and analyzed think-aloud data as well as data on students' errors, and we have produced component skill models for the data.

- Deployed in all sections of 76270 Writing in the Professions
- Students who have used the tutor have made pre-/post-test gains in their ability to revise sentences according to principles of prose style.
- Some students still struggle with revising nominalizations effectively

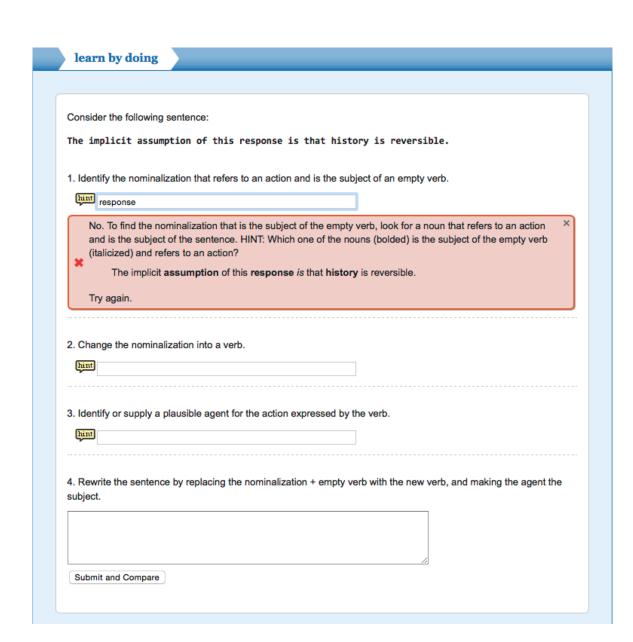
We are currently

- Running a field test of a version of the tutor that employs self-explanation in order to see whether it improves learning.
- Using applied machine learning to build models that can predict correct and incorrect responses to the prose style exercises in order to provide students with more targeted feedback.

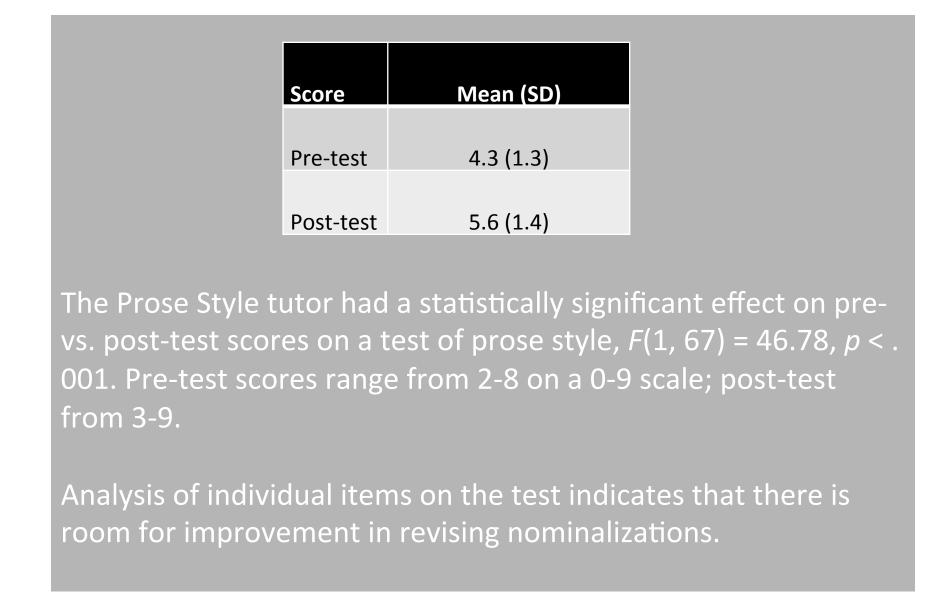
Project Evaluation



Worked example showing the steps in revising nominalizations into action verbs.



Scaffolding complex tasks and practice with immediate feedback



Pre-test/post-test results from field study of all sections of 76270 Writing in the Professions.



