Successful Transition in Education through Learning Analytics

stela-project.eu

key project characteristics

1. beyond **identifying** at-risk students
   → inclusive approach
2. beyond single-courses
   → **entire program & scalability**
3. **actionable feedback**

three areas of focus

1. academic performance
2. academic engagement
3. learning and studying skills

How?

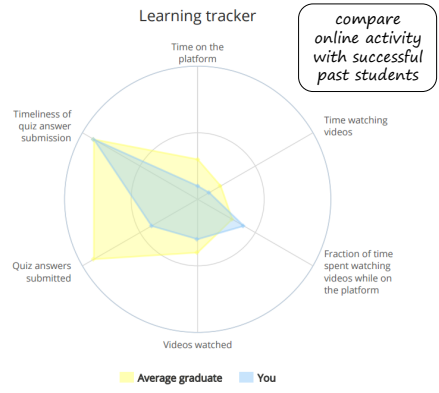
★ existing data first, small data approach
★ position student with respect to (successful) peers
★ show how "similar" students performed in the past

large scale deployments

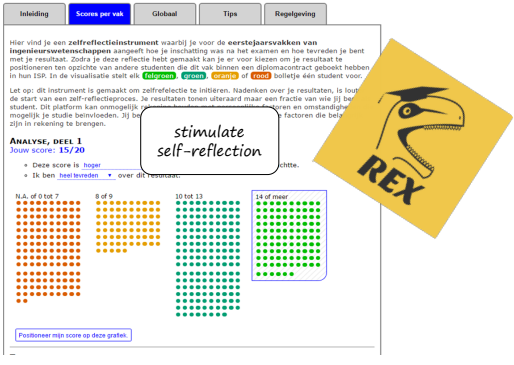
★ >5000 students
  27 programs @KU Leuven
  2 programs @TU Delft
★ >3000 MOOC students
★ >500 future students

example 1: feedback on academic skills

example 2: learning tracker



example 3: feedback on academic results



project recommendations

★ Use all available expertise.
★ Start with the available data.
★ Look beyond the obvious data.
★ Not all data is usable.
★ Wording matters.
★ Don't oversimplify. Show uncertainty.
★ Beware of predictive algorithms.
★ Keep Learning Analytics in mind when designing learning activities.
★ Give students "the key" to their data.
★ Acceptance precedes impact.
★ Context matters!

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