

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

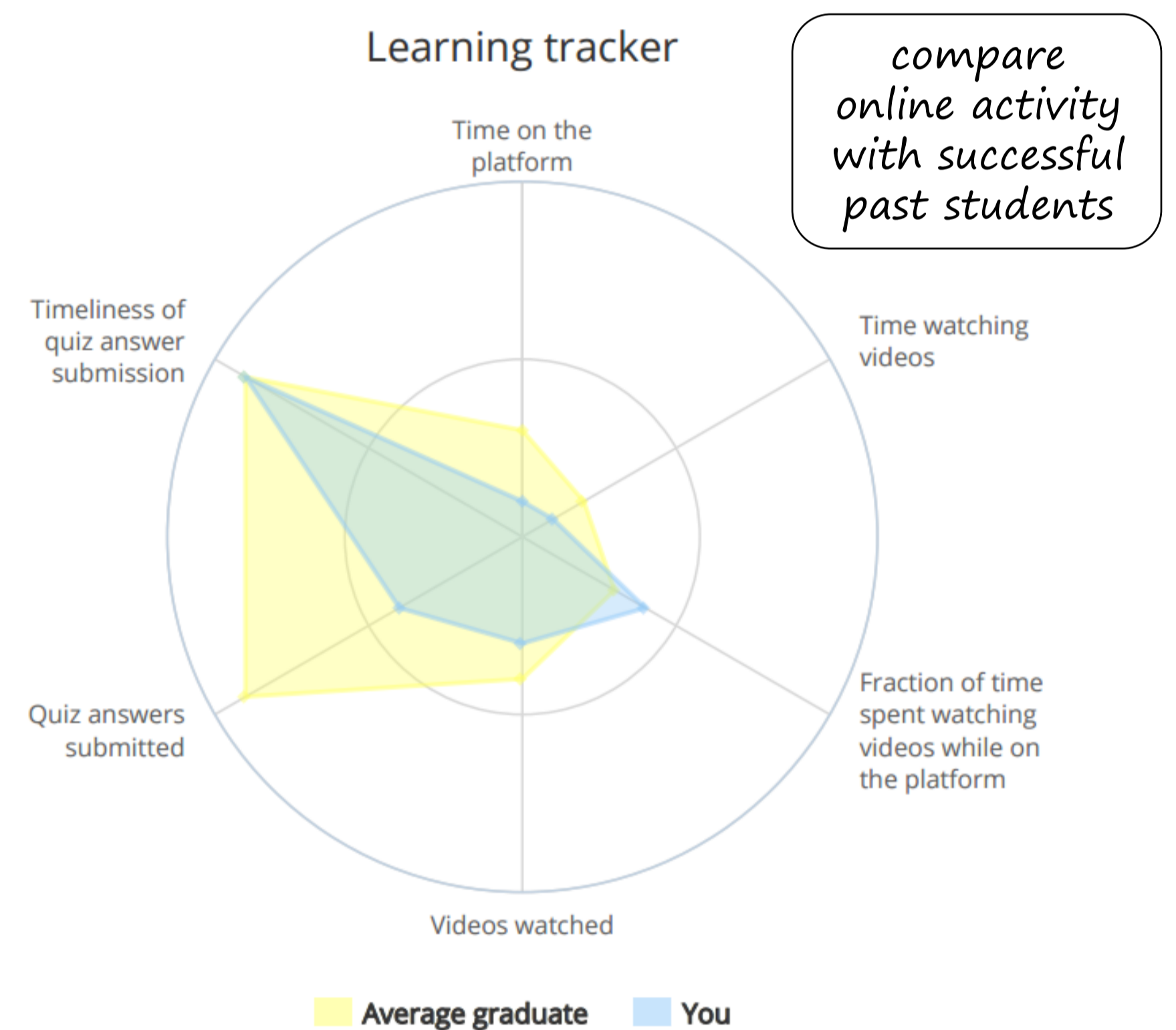
large scale deployments

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

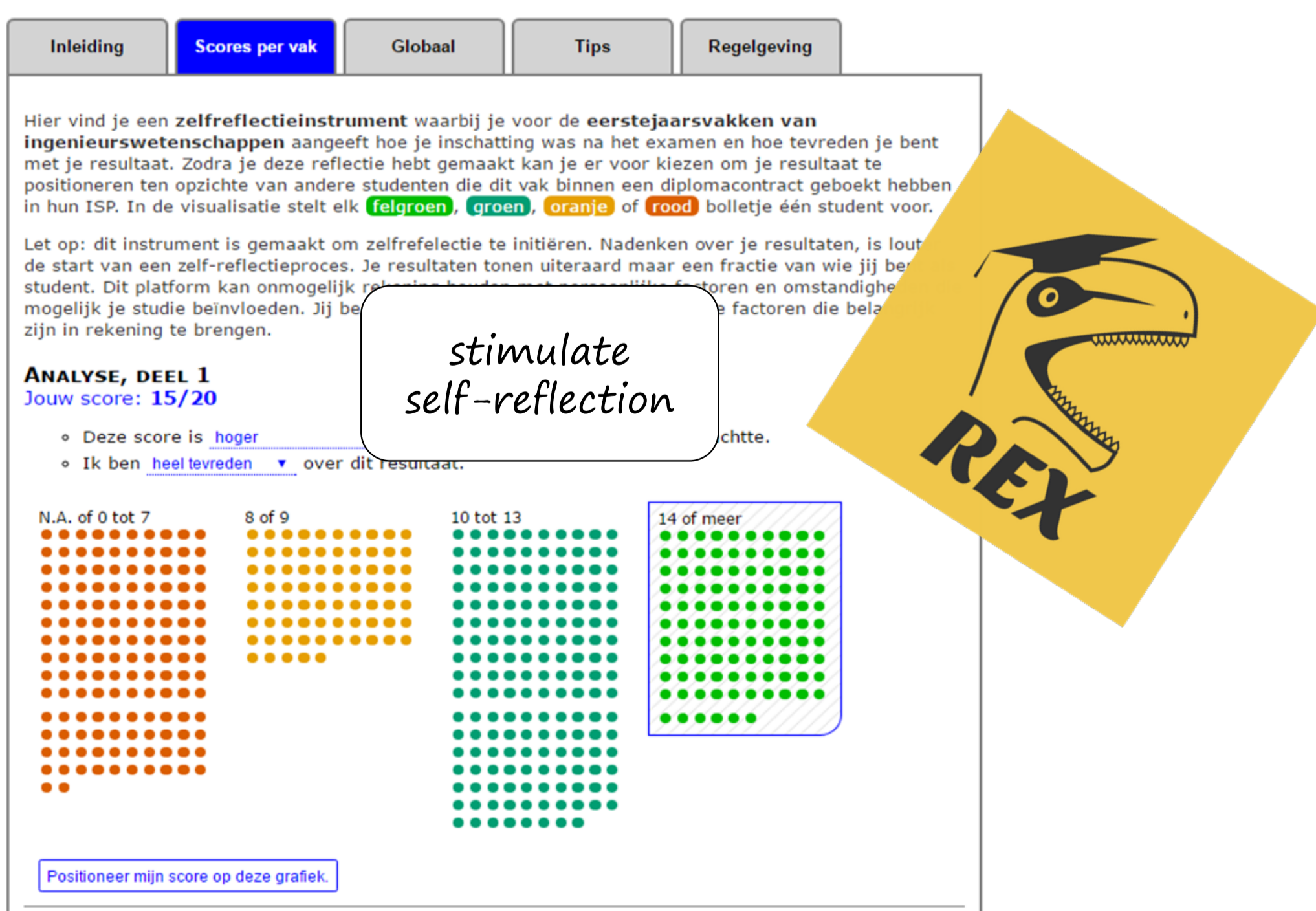
example 1: feedback on academic skills



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!

Want to collaborate in future learning analytics projects?
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