Grasple

from Grapple = struggle to Grasp = understand

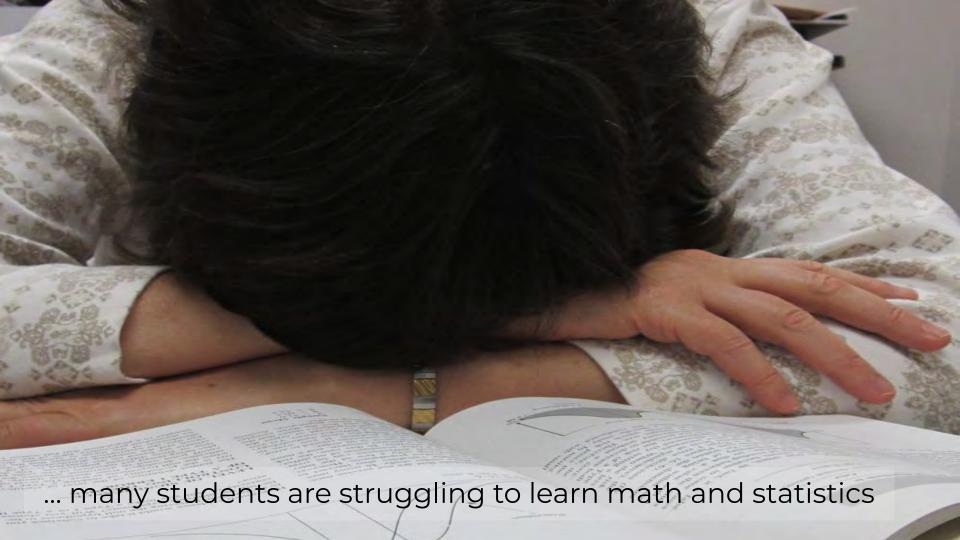






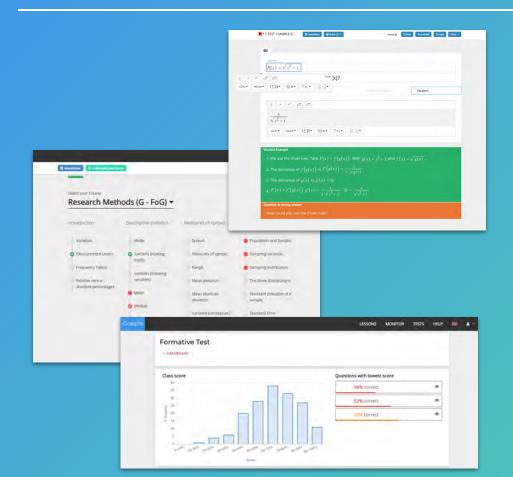
www.Grasple.com





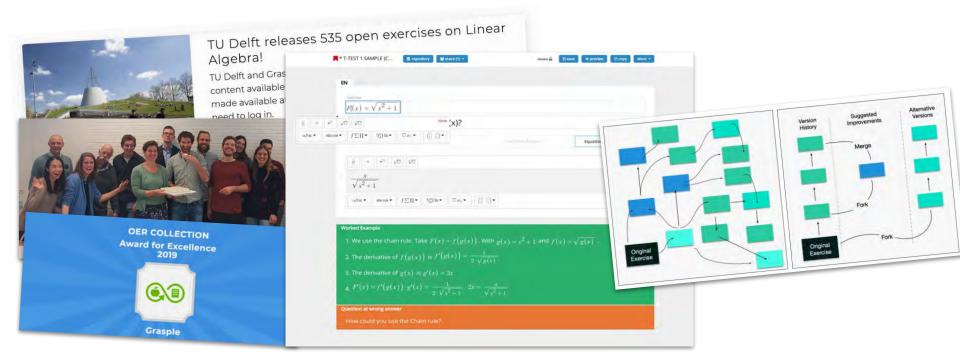
Making **knowledge** about math and statistics **openly accessible and understandable** for everyone

Practice & Assess - Math/STEM courses





Unique: Open Collaboration



International **Community**

Easy to use **Editor**

Innovative **Version Control**

68 million answers by 94.000+ students































Why adaptive learning in Grasple?

Why adaptive learning in Grasple?

Accessibility to knowledge:

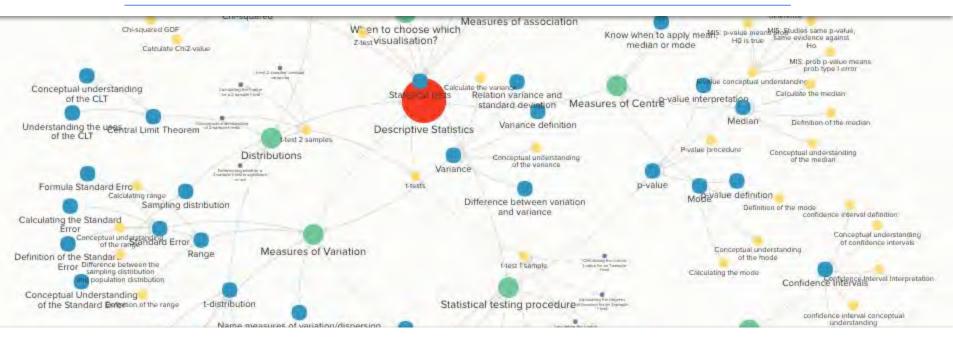
help learners to find their

personal learning path

Adaptive learning in Grasple

Conceptual On Window of Contematic

Knowledge Components Graph



Insights and advices by estimating a users **mastery** on knowledge components

Leveraging a KC Graph

Subjects and learning goals

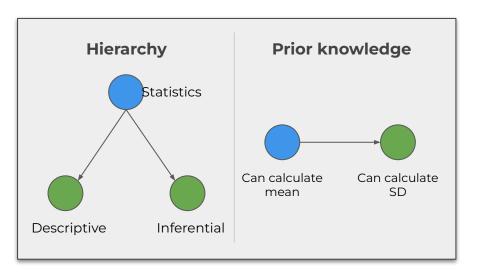
connected in a graph via two relations

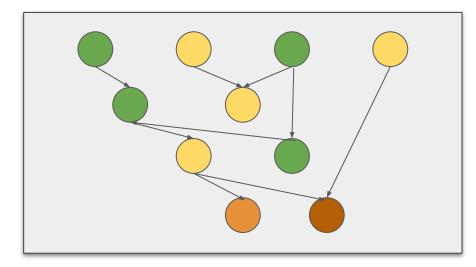
hierarchy and prior knowledge.

Estimating mastery per KC

by using the relationships to

find the knowledge gap



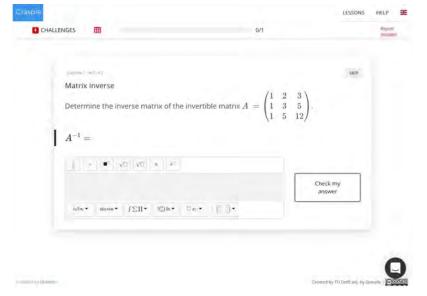


Adaptive Assessment

Use adaptive (intake) tests

with 20 - 30 questions

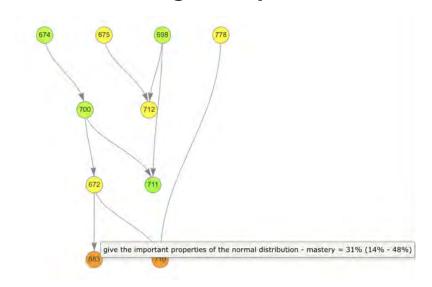
maximize insights in student's mastery



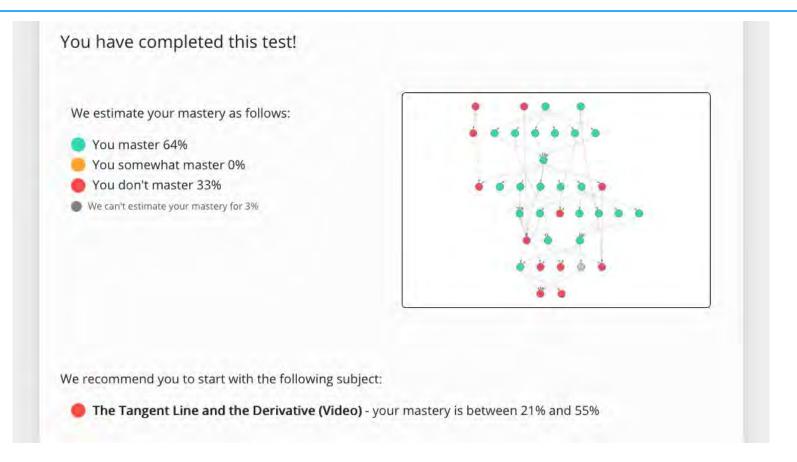
Continuously update KC masteries

to use in

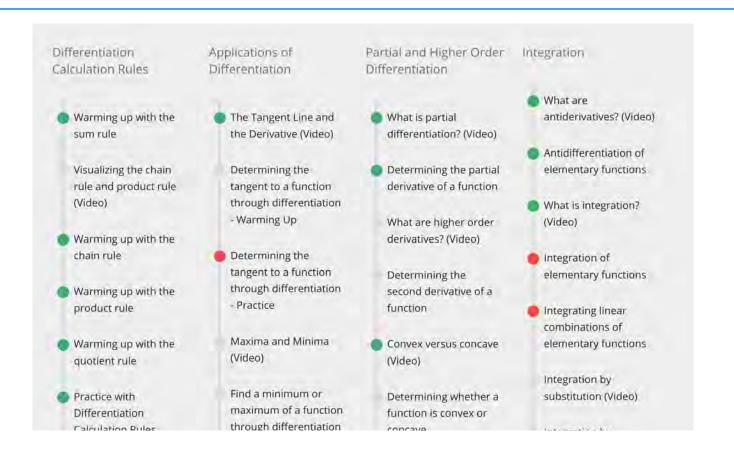
selecting next question



Insights on mastery per KC



Advice on focus areas in a Course



Insights for teacher



Autonomy

Autonomy

Teacher

Teacher's Autonomy

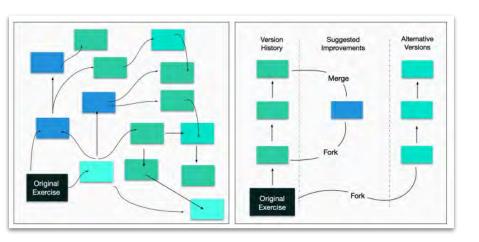
- 1. Make things **easy**
- 2. Let the teacher be in control

Teacher's Autonomy

Adaptive Learning & Open Education

Autonomy & Open Education

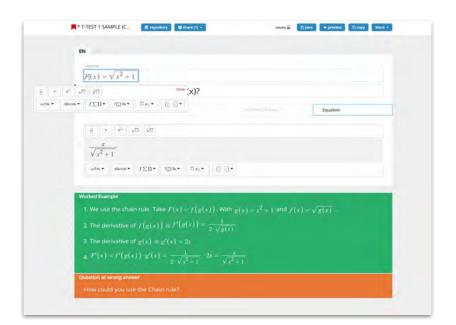
Re-use **open educational resources**without fear of losing control using our **version control system**



Edit everything

using the

user friendly content editor



Teacher's autonomy

Open education

facilitates teachers their autonomy (in adaptive learning)

Teacher's Autonomy

What is your **biggest fear** when using **adaptive learning**?

(concerning the teacher's autonomy)

Autonomy

Student

Student's Autonomy

- 1. Give transparent insights & advices
 - 2. Give the **student ownership**

Student's Autonomy

When should the **student** (not) have **autonomy**?

(when using adaptive learning)

Adaptive learning & Open education

What benefits & challenges do you see in using open education together with adaptive learning?

Together we can!

make education more accessible and more personal for everyone

Student Autonomie

Wanneer zou de **student** wel/niet **autonomie** moeten hebben?

(tijdens het gebruik van adaptief leren)

Docent Autonomie

Wat is je **grootste zorg** bij het gebruiken van **adaptief leren**?

(met betrekking tot de autonomie van de docent)