Personalized Education

- Trend in education: larger and larger classes
  - physical classrooms
  - MOOCs
- Unsatisfactory because students are heterogeneous
  - heterogeneous backgrounds & abilities
  - heterogeneous styles of learning
  - heterogeneous goals

=> Personalization
  - maintain engagement
  - improve learning

- Our approach: electronically personalized interactive environment (EPIE) for each student
  => “as if” one mentor for every student
EPIE

Course Grade Prediction

Discover Relationships Among Courses (Prerequisites)

Course Recommendation

Curriculum Design

Time and CGPA Prediction

Admission Policies

Degree Recommendation

Personalized Computerized Tutoring

http://medianetlab.ee.ucla.edu/EduAdvance