Understanding Attrition in MOOCs
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Attrition in MOOCs
Showup vs Completion

Attainment Classes
Non-amenable dropouts
Amenable dropouts
Completors
Attainers

Prediction & Diagnosis
Few in-course diagnostic surveys
LMS Data
~ 100 MOOCs
Pre- and Post-course surveys

Results & Future Work
Predicting Dropout

Non-amenable dropouts
Amenable dropouts
Completors
Attainers

Prediction Models
Will dropout?
Difficulties?
Procrastination?
Time constraint?

Intervention Design for Reducing Attrition
Who is at risk?
Why?
How should we intervene?

Relationships
Intentions
Environment
Abilities
Motivation
Activity patterns
Persistence

Next Steps:
Analytics-based intervention design

Difficulty
Procrastination
Time constraint
Scaffolding
Motivational intervention
Course adaptation