Educational Data Mining

LIM, Ee-Peng
Living Analytics Research Centre
larc@smu.edu.sg



Strategic Partner:



Educational Data Mining

- Educational Data + Data Mining
- Educational Data:
 - Student data already collected by schools and universities
 - Student data available from other sources, e.g., Coursera, Khan Academy, etc.





SINGAPORE

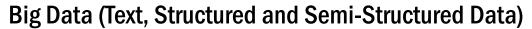


- Why EDM?
 - Improve learners' performance (time, effectiveness, grades)
 - Enhance learning interest
 - Upgrade skills Connect education with career
 - Embrace lifelong learning





Why AI for EDM now?







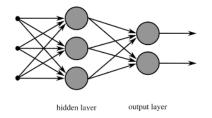
Semantic Rich



High Performance Computing



Deep Learning



Mobile Technology



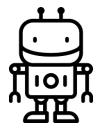
Types of Educational Data Mining

- Student Profiling
- Grade Prediction



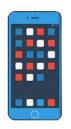


- Course Recommendation/Planning
- Intelligent Tutoring



Interactive Learning





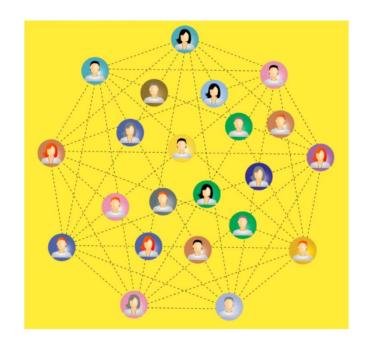






Challenges

- Data availability
- Multidisciplinary
- Explainability
- Learning is Social





Thank you

Personalized Participatory Nation

School of Information Systems
Singapore Management University
80 Stamford Road
Singapore 178902
Tel: 65 6808 5227







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