A City-Scale Situation-Aware Adaptive Learning System

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ABSTRACT
The concept of Seamless Learning is becoming more and more effective because the newer technologies are able to meet the personal needs of the people and really support them in their learning processes. Thus, the learning experience is a moment in the everyday life strongly related with the situation each person is dealing with. The main idea of this work is to define a flexible seamless learning environment able to identify the context where a learner is deepened in and to apply an adaptation by respecting her learning goals. The proposed approach leverages on three main aspects: situation awareness, adaptive learning and semantic technologies.

INDEX TERMS
Educational institutions, Semantics, Adaptive systems, Context, Sensors, Adaptation models, Ontologies

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- Play optimally against the empirical distribution of past play of opponent.

Evolutionary Dynamics: – Selection of strategies according to performance against aggregates and random mutations. Rationality. Evolutionary dynamics. Adaptive learning. Bayesian learning. This talk. 4. This Tutorial.

- Strategic form games and Nash equilibrium
- Adaptive learning in games. – Fictitious play and shortcomings

Special classes of games: – Supermodular games and dynamics
- Potential and congestion games and dynamics